

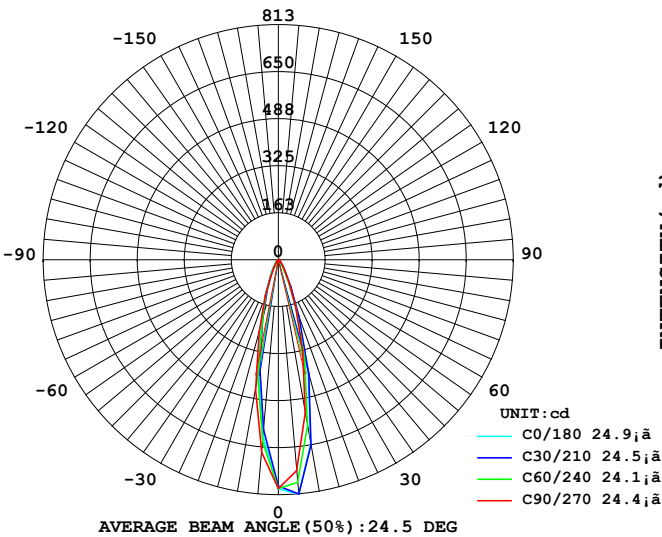
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

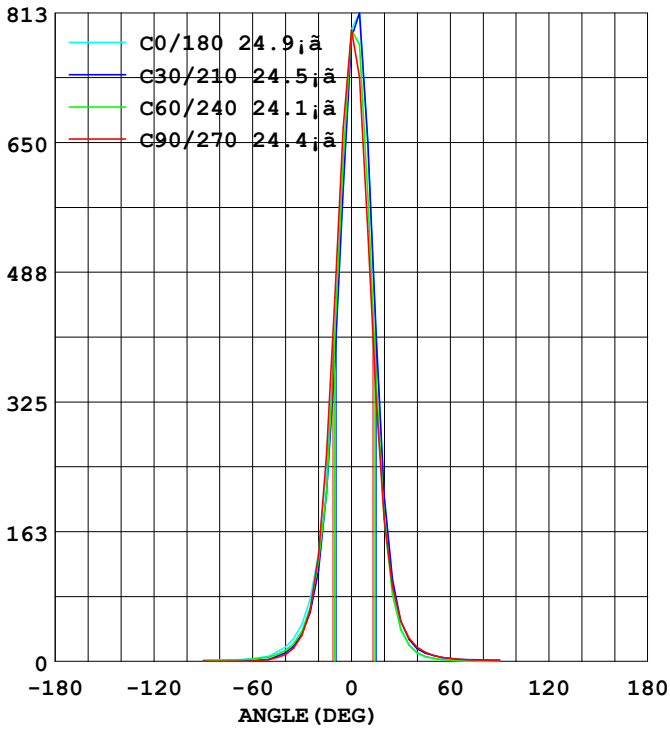
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

DATA OF LAMP		Imax (cd)	812.8	S/MH (C0/180)	0.34
MODEL	LUKE 3	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.39
NOMINAL POWER (W)	3	TOTAL FLUX (lm)	219.40	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	68.6	Current (A)	0.025
NOMINAL FLUX (lm)	219.4	η up (%)	0.0	Power (W)	3.200
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.494
TEST VOLTAGE (V)	219.6	Effective Flux (lm)	173.8	EEI	0.159

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

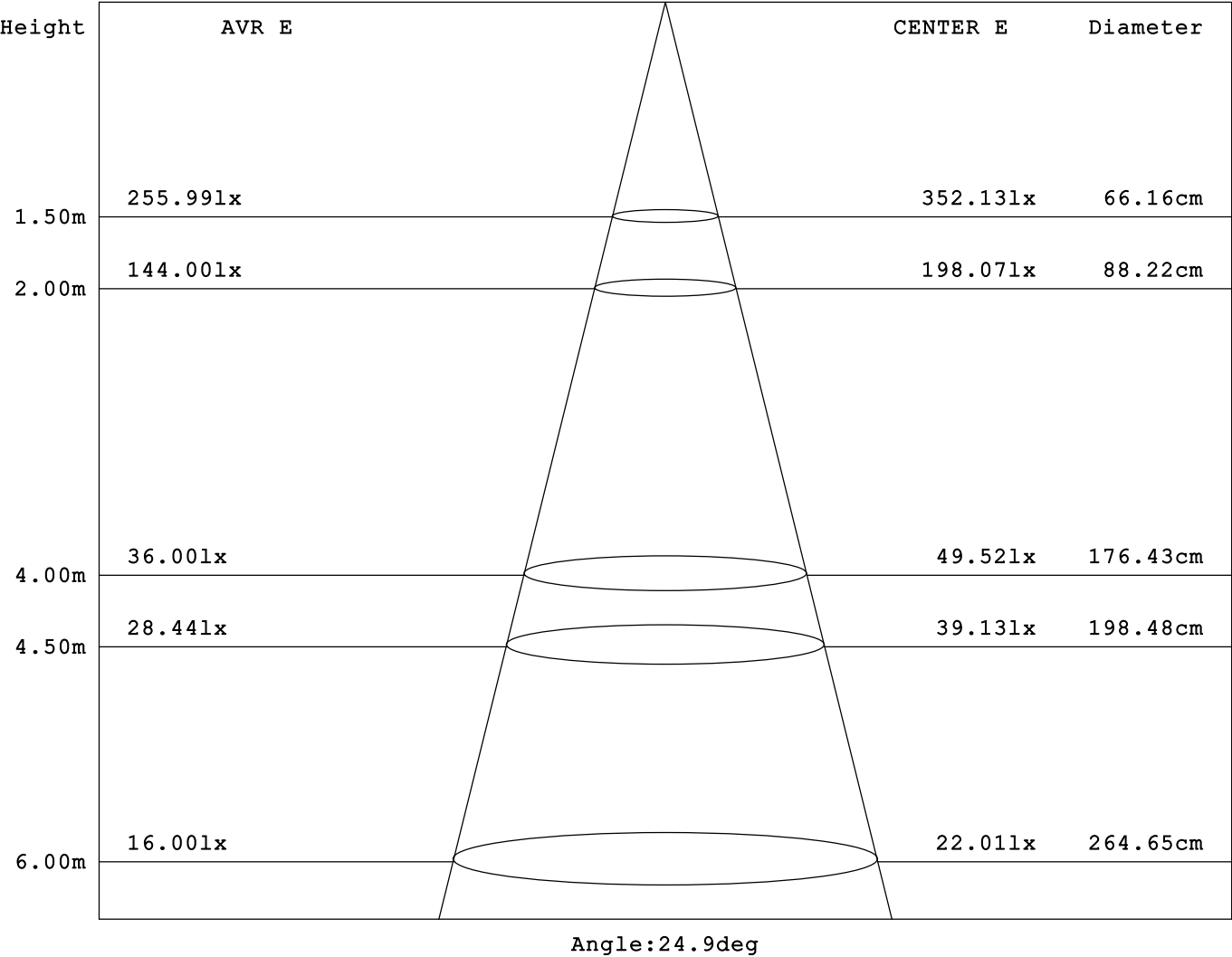
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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Remarks: 3000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
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NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	399.6	394.2	456.3	572.0	648.4	617.6	538.6	455.5	0- 10	61.48	61.48
20.0	136.0	120.1	133.3	179.1	203.0	193.0	178.5	152.0	10- 20	86.78	148.2
30.0	46.60	35.94	32.65	40.82	40.82	45.08	50.35	48.15	20- 30	41.31	189.5
40.0	18.35	12.46	8.597	11.01	10.04	13.54	17.77	17.26	30- 40	15.93	205.5
50.0	6.502	4.046	2.384	4.298	3.901	5.418	7.586	5.382	40- 50	6.802	212.3
60.0	3.468	1.878	0.578	1.914	1.806	2.528	3.612	2.095	50- 60	3.044	215.3
70.0	2.384	1.228	0.217	1.156	1.372	1.228	2.023	1.119	60- 70	1.594	216.9
80.0	1.950	1.047	0.361	0.975	1.445	1.011	1.661	0.939	70- 80	1.271	218.2
90.0	1.589	1.011	0.506	0.903	2.167	0.975	1.300	0.867	80- 90	1.175	219.4
100.0									90-100		
110.0									100-110		
120.0									110-120		
130.0									120-130		
140.0									130-140		
150.0									140-150		
160.0									150-160		
170.0									160-170		
180.0									170-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

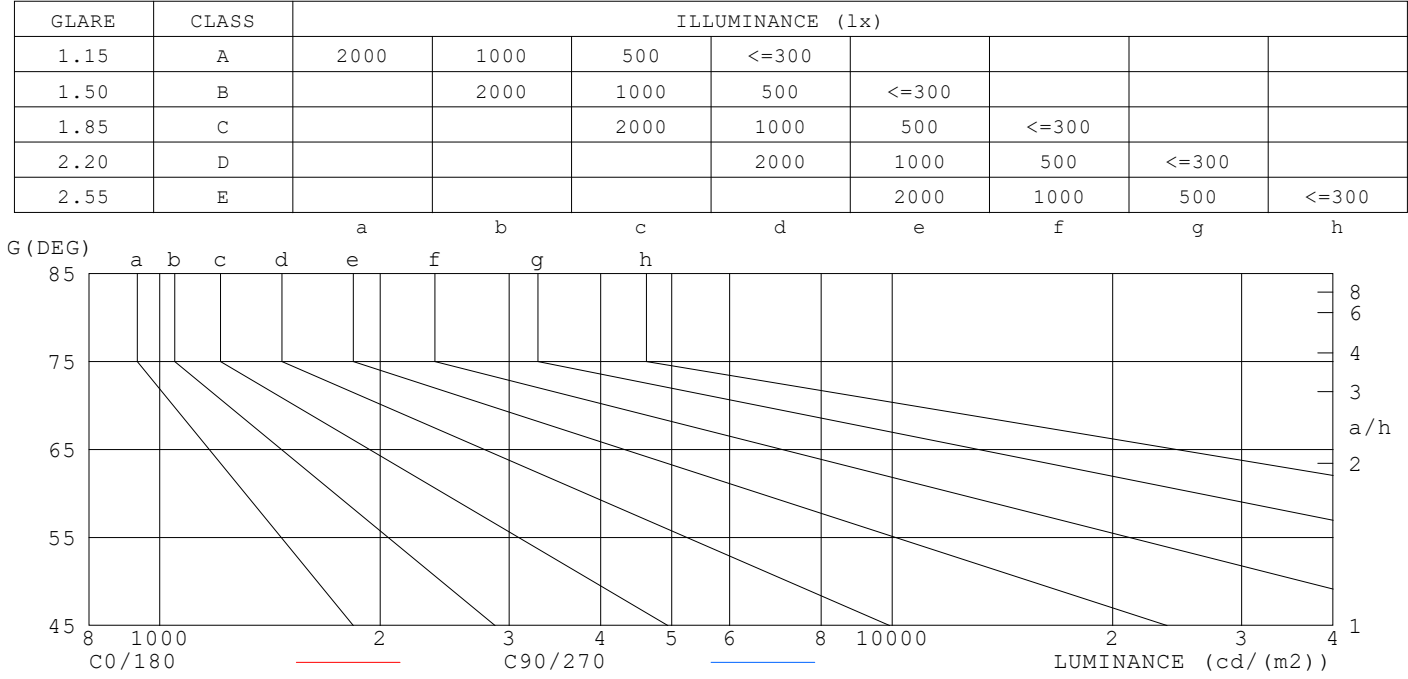
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	207	41
80	112	21
75	81	8
70	70	6
65	62	5
60	69	12
55	84	24
50	101	37
45	173	69

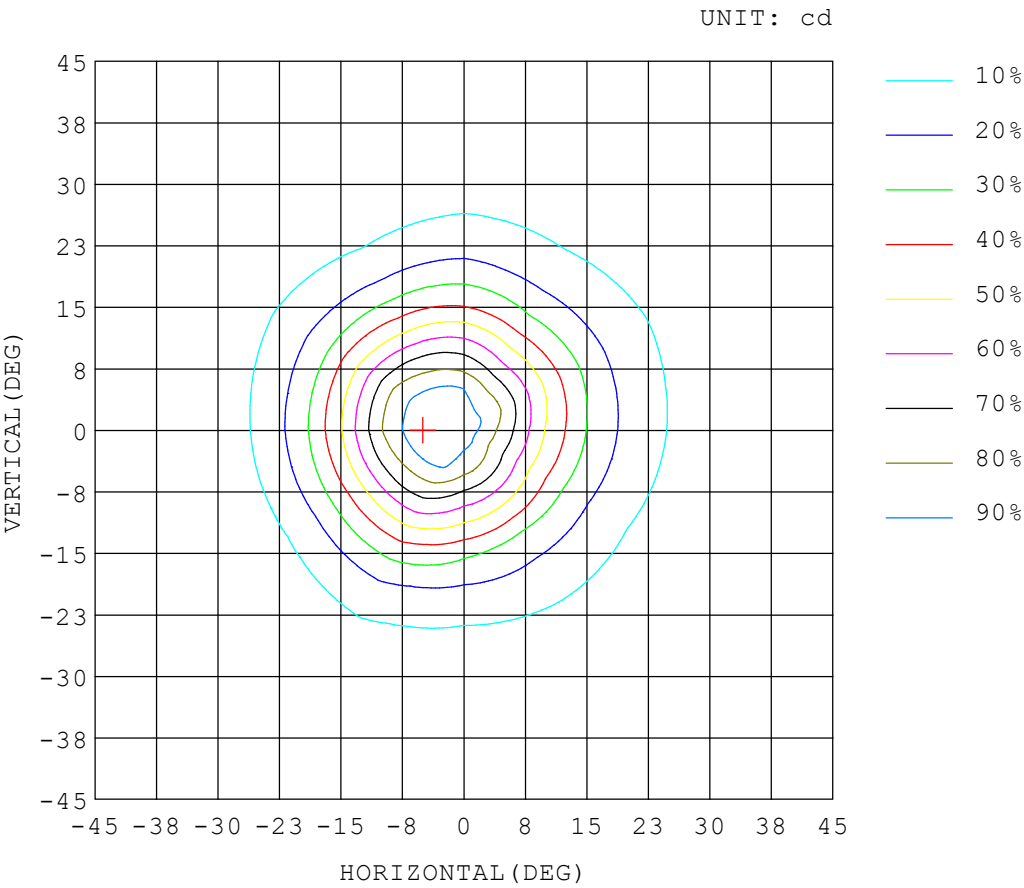
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Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
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ISOCANDELA DIAGRAM

Report number:

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NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:



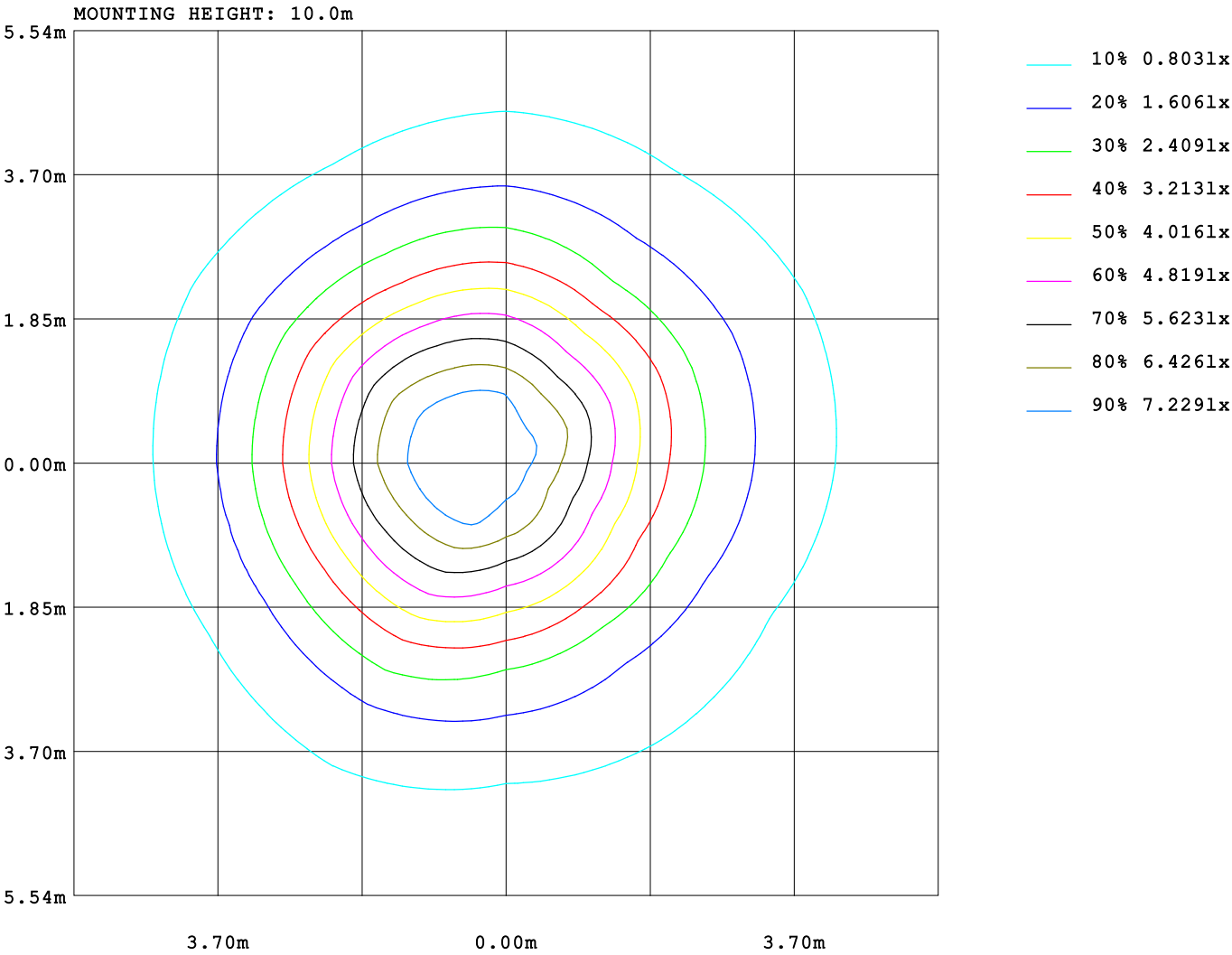
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

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NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																			
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																			
NAME: LUKE 3										TYPE: 3000K CRI-90					WEIGHT:				
SPECIFICATION: PHILPS CRETA										DIMENSION: OUTER-40 CUTOUT-35 H-31					MSERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.02	0.03	0.03	0.03	0.04	0.05	0.07	0.09	0.10	0.11	0.10	0.08	0.06	0.05	0.04	0.03	0.02	0.02	0.98	0.00		
45																						
40																						
35																						
30																						
25																						
20																						
15																						

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

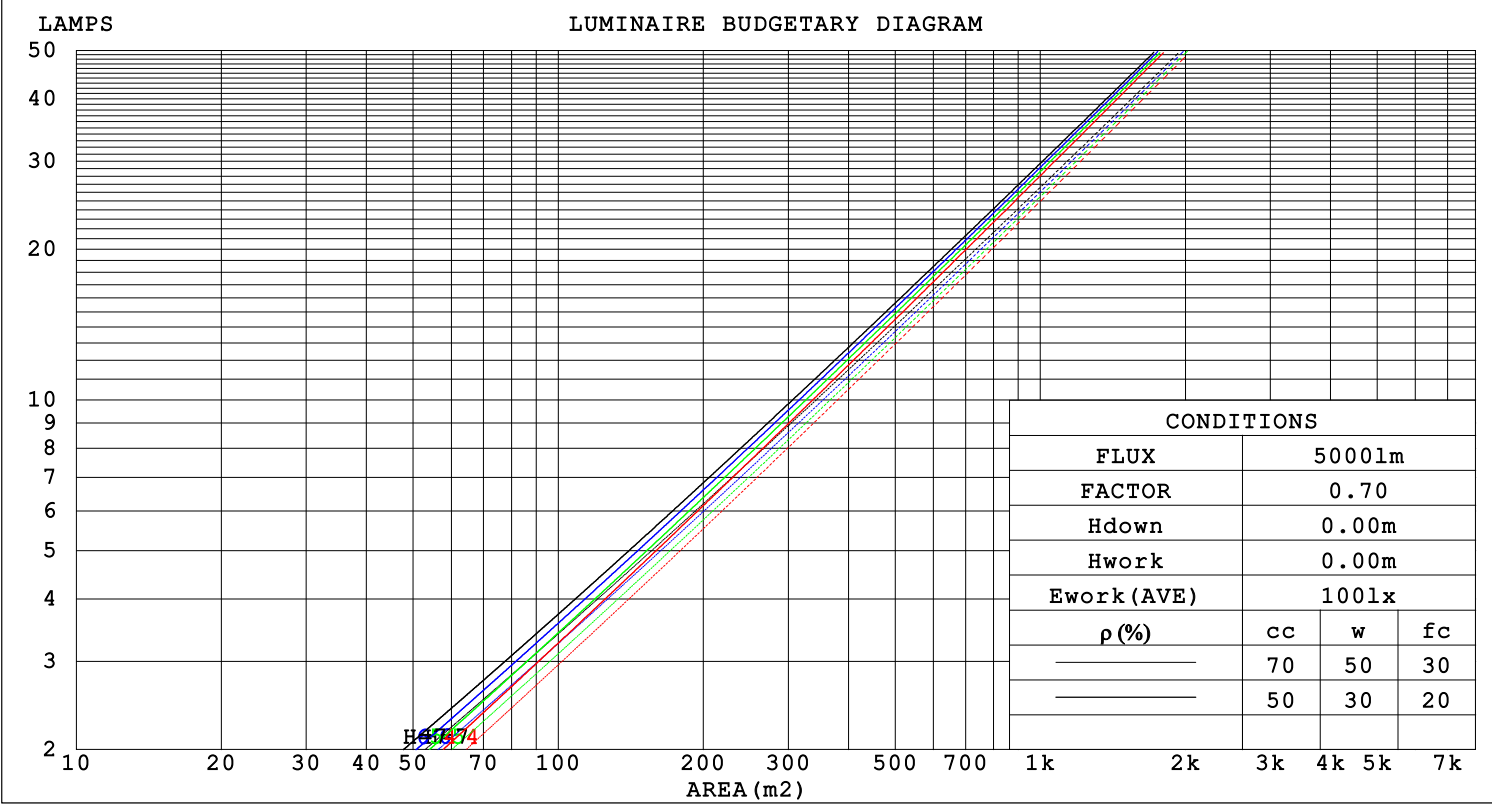
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: LUKE 3								TYPE: 3000K CRI-90				WEIGHT:			
SPECIFICATION: PHILIPS CRETA								DIMENSION: OUTER-40 CUTOUT-35 H-31				MSERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: LUKE 3								TYPE: 3000K CRI-90				WEIGHT:			
SPECIFICATION: PHILPS CRETA								DIMENSION: OUTER-40 CUTOUT-35 H-31				MSERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.160	.091	.029	.153	.087	.028	.141	.081	.026	.129	.075	.024	.119	.069	.022	
2.0	.148	.081	.025	.142	.078	.024	.132	.073	.023	.122	.069	.021	.113	.064	.020	
3.0	.138	.073	.022	.133	.071	.021	.124	.067	.020	.116	.064	.020	.109	.060	.019	
4.0	.129	.067	.020	.125	.065	.019	.118	.062	.019	.111	.059	.018	.104	.057	.017	
5.0	.121	.062	.018	.118	.061	.018	.112	.058	.017	.106	.056	.017	.100	.054	.016	
6.0	.115	.058	.016	.112	.057	.016	.106	.055	.016	.101	.053	.015	.096	.051	.015	
7.0	.109	.054	.015	.106	.053	.015	.102	.051	.015	.097	.050	.014	.093	.048	.014	
8.0	.104	.051	.014	.101	.050	.014	.097	.049	.014	.093	.047	.014	.089	.046	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.086	.044	.013	
10.0	.095	.045	.013	.093	.045	.013	.089	.044	.012	.086	.043	.012	.083	.042	.012	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.063	.101	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.069	.045	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.500 m
 Remarks: 3000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: LUKE 3					TYPE: 3000K CRI-90			WEIGHT:			
SPECIFICATION: PHILPS CRETA					DIMENSION: OUTER-40 CUTOUT-35 H-31			MSERIAL No.:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		-3.0	-2.3	-2.8	-2.1	-2.0	-4.1	-3.3	-3.9	-3.1	-3.0
	3H	-2.4	-1.6	-2.1	-1.5	-1.3	-3.9	-3.2	-3.6	-3.0	-2.8
	4H	-1.7	-1.0	-1.4	-0.8	-0.6	-3.8	-3.1	-3.5	-2.9	-2.7
	6H	-0.6	0.0	-0.3	0.3	0.5	-3.5	-2.9	-3.3	-2.7	-2.4
	8H	0.1	0.8	0.4	1.0	1.3	-3.4	-2.8	-3.1	-2.6	-2.3
	12H	1.1	1.7	1.4	1.9	2.2	-3.3	-2.7	-2.9	-2.4	-2.1
4H	2H	-3.1	-2.4	-2.8	-2.2	-2.0	-4.0	-3.3	-3.7	-3.1	-2.9
	3H	-2.4	-1.8	-2.1	-1.5	-1.3	-3.3	-2.7	-3.0	-2.4	-2.1
	4H	-1.7	-1.1	-1.3	-0.8	-0.5	-2.7	-2.2	-2.4	-1.9	-1.6
	6H	-0.3	0.2	0.0	0.5	0.8	-2.1	-1.7	-1.8	-1.3	-1.0
	8H	0.6	1.1	1.0	1.4	1.8	-1.9	-1.4	-1.5	-1.1	-0.7
	12H	1.8	2.3	2.2	2.6	3.0	-1.5	-1.1	-1.1	-0.7	-0.4
8H	4H	-1.5	-1.0	-1.1	-0.7	-0.3	-2.4	-1.9	-2.0	-1.6	-1.2
	6H	-0.2	0.2	0.3	0.6	1.0	-1.1	-0.8	-0.7	-0.4	0.0
	8H	0.9	1.2	1.3	1.6	2.0	-0.4	-0.1	0.0	0.3	0.7
	12H	2.3	2.6	2.8	3.0	3.5	0.3	0.6	0.7	1.0	1.5
12H	4H	-1.4	-1.0	-1.0	-0.6	-0.2	-2.4	-2.0	-2.0	-1.6	-1.2
	6H	-0.0	0.3	0.4	0.7	1.2	-1.0	-0.7	-0.6	-0.3	0.2
	8H	1.0	1.3	1.5	1.7	2.2	-0.1	0.2	0.4	0.7	1.1
Variations with the observer position at spacings:											
S = 1.0H		+ 1.1 / - 0.8					+ 0.7 / - 0.7				
1.5H		+ 2.2 / - 1.2					+ 1.0 / - 0.8				
2.0H		+ 2.8 / - 1.0					+ 0.7 / - 0.8				

CIE Pub.117 Corrected 219.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.3)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	78	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

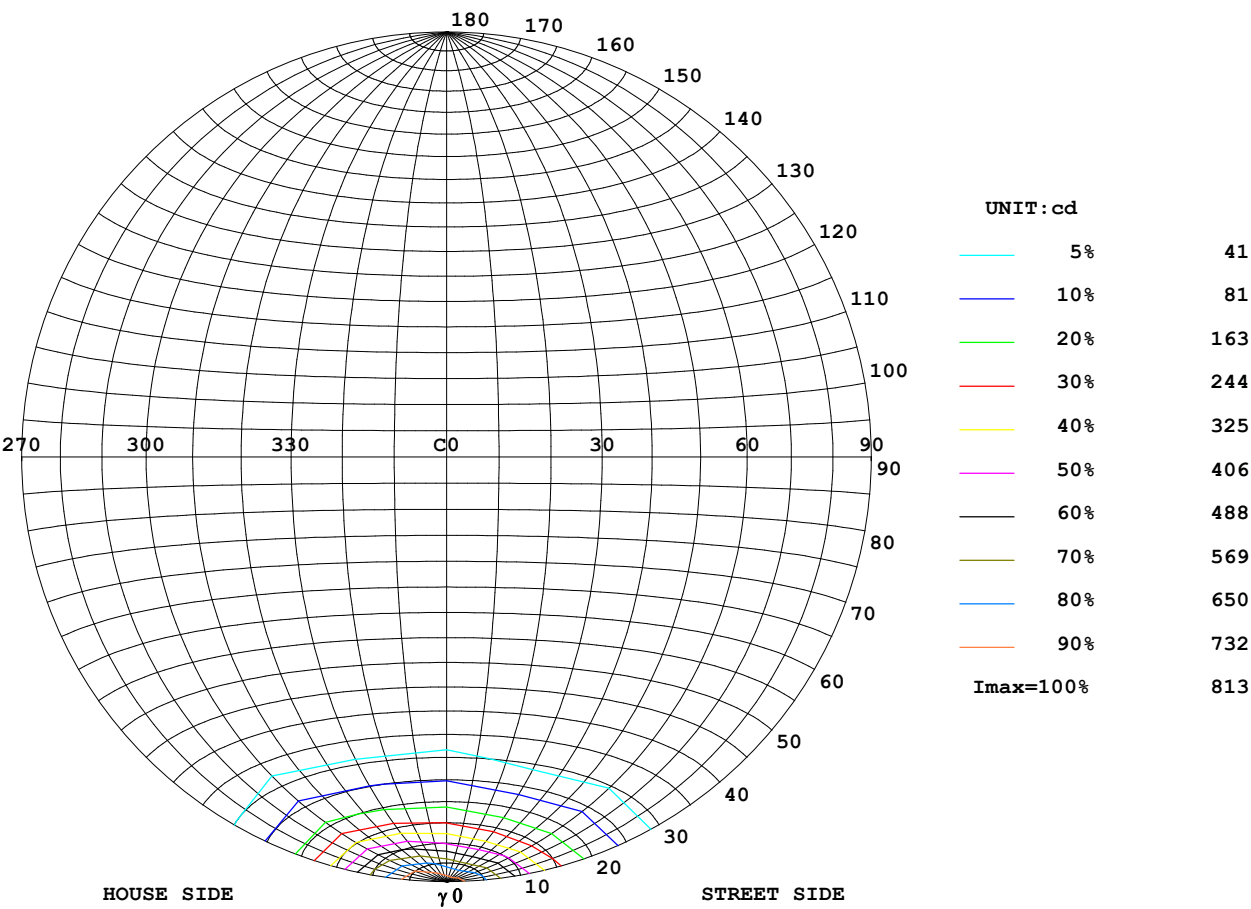
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ISOCANDELA DIAGRAM

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NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
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ISOLUX DIAGRAM

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NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILIPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 7.92 lx



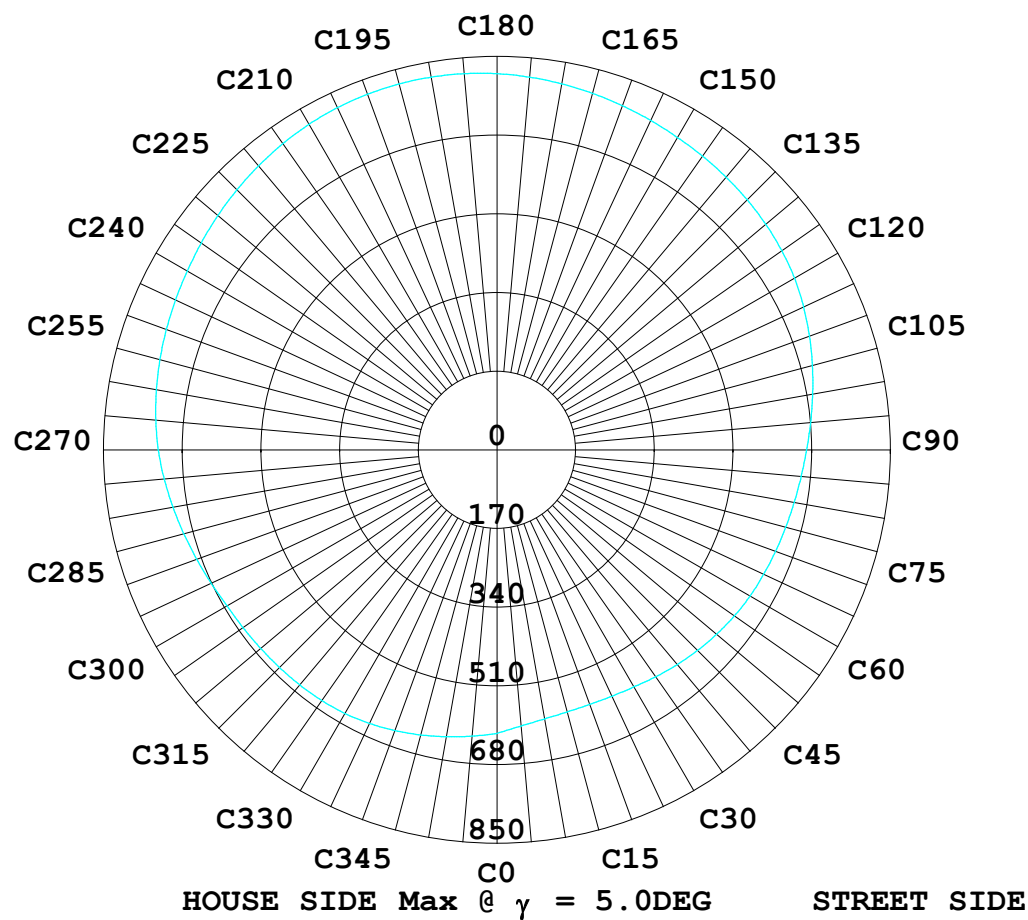
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 3	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: PHILPS CRETA	DIMENSION: OUTER-40 CUTOUT-35 H-31	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	792	782	791	792	797	803	792	782	791	792	797	803
5.0	612	591	632	669	742	780	813	813	773	732	674	658
10.0	400	375	413	456	553	591	648	651	584	539	465	446
15.0	241	212	211	260	343	361	401	410	353	329	270	268
20.0	136	114	126	133	180	178	203	208	178	179	150	154
25.0	78.3	61.4	67.2	64.9	89.5	80.1	91.8	103	83.6	93.5	81.8	88.2
30.0	46.6	34.1	37.7	32.6	45.6	35.9	40.8	50.3	39.8	50.3	44.8	51.4
35.0	28.6	19.2	22.1	16.7	24.7	16.9	20.1	27.4	20.5	29.0	25.5	31.5
40.0	18.3	11.1	13.7	8.59	14.0	8.01	10.0	16.0	11.0	17.7	14.7	19.7
45.0	12.2	6.50	9.03	4.91	9.32	4.55	5.92	10.2	6.21	11.4	8.67	13.0
50.0	6.50	2.52	5.56	2.38	6.06	2.52	3.90	7.22	3.61	7.58	3.75	7.00
55.0	4.84	1.66	4.11	1.37	4.40	1.51	2.74	5.12	2.09	4.98	1.87	4.69
60.0	3.46	0.87	2.89	0.58	3.17	0.65	1.80	3.82	1.22	3.61	0.94	3.25
65.0	2.60	0.43	2.23	0.22	2.31	0.22	1.30	2.74	0.51	2.52	0.29	2.38
70.0	2.38	0.51	1.95	0.22	2.09	0.22	1.37	2.23	0.22	2.02	0.22	2.02
75.0	2.09	0.43	1.80	0.22	1.80	0.29	1.44	2.02	0.36	1.87	0.29	1.80
80.0	1.95	0.51	1.58	0.36	1.66	0.29	1.44	1.73	0.29	1.66	0.29	1.58
85.0	1.80	0.51	1.44	0.36	1.51	0.36	1.51	1.58	0.36	1.44	0.29	1.44
90.0	1.58	0.72	1.30	0.51	1.30	0.51	2.16	1.37	0.58	1.30	0.43	1.30

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 3000K