

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888289

Luminaire Tested: **DPT5-6FO55-85V60-A-XX-UDD_5000K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P888289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: DPT5-6FO55-85V60-A-XX-UDD_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

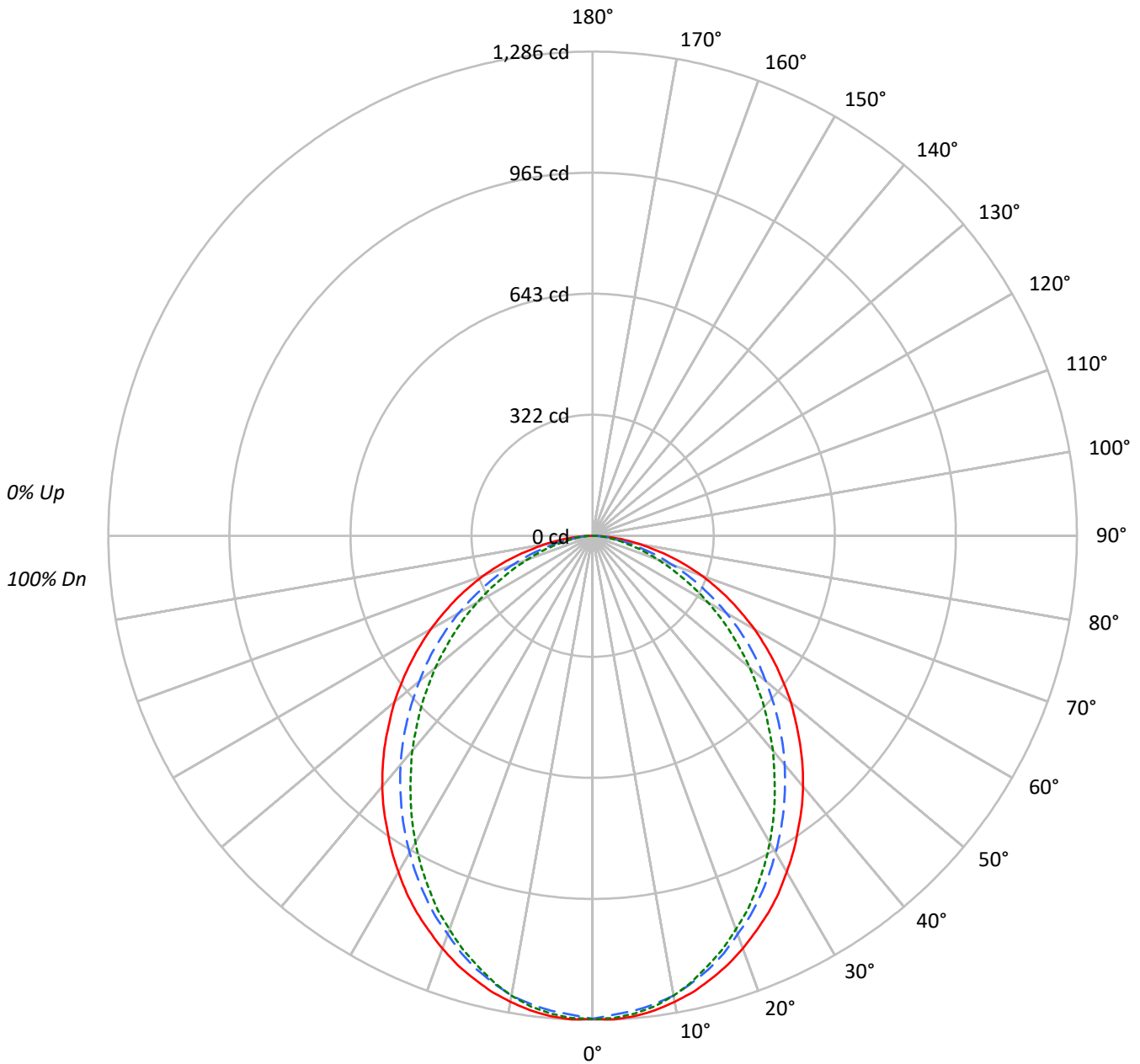
Lumens per Lamp: N/A
Luminaire Lumens: 3031.1 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P888289

CATALOG NUMBER: DPT5-6FO55-85V60-A-XX-UDD_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P888289

CATALOG NUMBER: DPT5-6FO55-85V60-A-XX-UDD_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8194	8194	8194
5°	8212	8119	8167
10°	8149	8042	8042
15°	8054	7879	7816
20°	7928	7652	7560
25°	7783	7428	7265
30°	7603	7166	6938
35°	7418	6897	6572
40°	7246	6615	6213
45°	7036	6300	5820
50°	6826	5959	5411
55°	6583	5634	4975
60°	6336	5234	4504
65°	6049	4775	3965
70°	5719	4196	3421
75°	5261	3538	2847
80°	4634	2784	2394
85°	3898	2279	2132



TEST NUMBER: P888289

CATALOG NUMBER: DPT5-6FO55-85V60-A-XX-UDD_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	4.0
10°-20°	337.4	11.1
20°-30°	489.3	16.1
30°-40°	557.4	18.4
40°-50°	543.3	17.9
50°-60°	457.2	15.1
60°-70°	320.4	10.6
70°-80°	164.3	5.4
80°-90°	41.0	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	947.4	31.3
0°-40°	1504.8	49.6
0°-60°	2505.4	82.7
0°-90°	3031.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3031.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1281	1277	1266	1276	1274	121
15°	1218	1212	1192	1191	1182	343
25°	1104	1090	1054	1042	1031	508
35°	952	928	885	857	843	596
45°	779	751	698	659	644	601
55°	591	560	506	462	447	529
65°	400	367	316	277	262	396
75°	213	184	143	122	115	225
85°	53	36	31	30	29	61
90°	0	0	0	0	0	



TEST NUMBER: P888289

CATALOG NUMBER: DPT5-6FO55-85V60-A-XX-UDD_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1283.0	1283.0	1283.0	1283.0	1283.0
2.5°	1285.8	1283.0	1273.3	1283.0	1281.9
5°	1281.0	1277.2	1266.4	1276.0	1274.0
7.5°	1271.3	1267.3	1254.7	1262.5	1260.7
10°	1256.7	1253.8	1240.2	1243.2	1240.2
12.5°	1240.2	1236.2	1216.8	1218.8	1214.1
15°	1218.1	1212.1	1191.7	1190.8	1182.1
17.5°	1194.7	1186.1	1161.6	1157.0	1150.1
20°	1166.5	1157.0	1125.9	1121.0	1112.4
22.5°	1135.6	1125.9	1093.2	1082.4	1075.4
25°	1104.5	1089.9	1054.2	1041.6	1031.0
27.5°	1069.8	1052.2	1014.4	998.1	987.5
30°	1031.0	1012.6	971.8	949.7	940.9
32.5°	993.0	970.9	929.2	904.1	892.6
35°	951.5	928.3	884.7	856.6	843.0
37.5°	911.8	883.6	839.0	806.3	792.5
40°	869.2	840.1	793.5	756.7	745.2
42.5°	824.5	794.4	745.9	711.2	692.7
45°	779.0	751.1	697.6	658.9	644.4
47.5°	731.3	702.6	649.0	609.5	593.0
50°	687.0	655.0	599.8	559.2	544.6
52.5°	638.4	605.7	554.1	509.6	495.0
55°	591.2	560.1	506.0	462.3	446.8
57.5°	542.6	509.6	457.4	414.7	401.2
60°	496.1	462.3	409.8	367.2	352.6
62.5°	446.8	414.7	361.5	322.6	308.1
65°	400.3	367.2	316.0	277.0	262.4
67.5°	353.5	320.8	271.2	234.6	223.1
70°	306.3	273.2	224.7	194.7	183.2
72.5°	259.7	227.7	183.2	156.0	149.4
75°	213.2	184.1	143.4	122.2	115.4
77.5°	165.5	142.4	108.4	92.2	86.3
80°	126.0	102.8	75.7	66.9	65.1
82.5°	87.2	66.9	50.5	47.3	46.6
85°	53.2	35.8	31.1	30.0	29.1
87.5°	22.5	15.5	14.6	14.6	13.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)