

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: P888141

Luminaire Tested: **DPT5-6FO36-127V60-A-XX-UDD_2700K**

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: P888141
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: DPT5-6FO36-127V60-A-XX-UDD_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

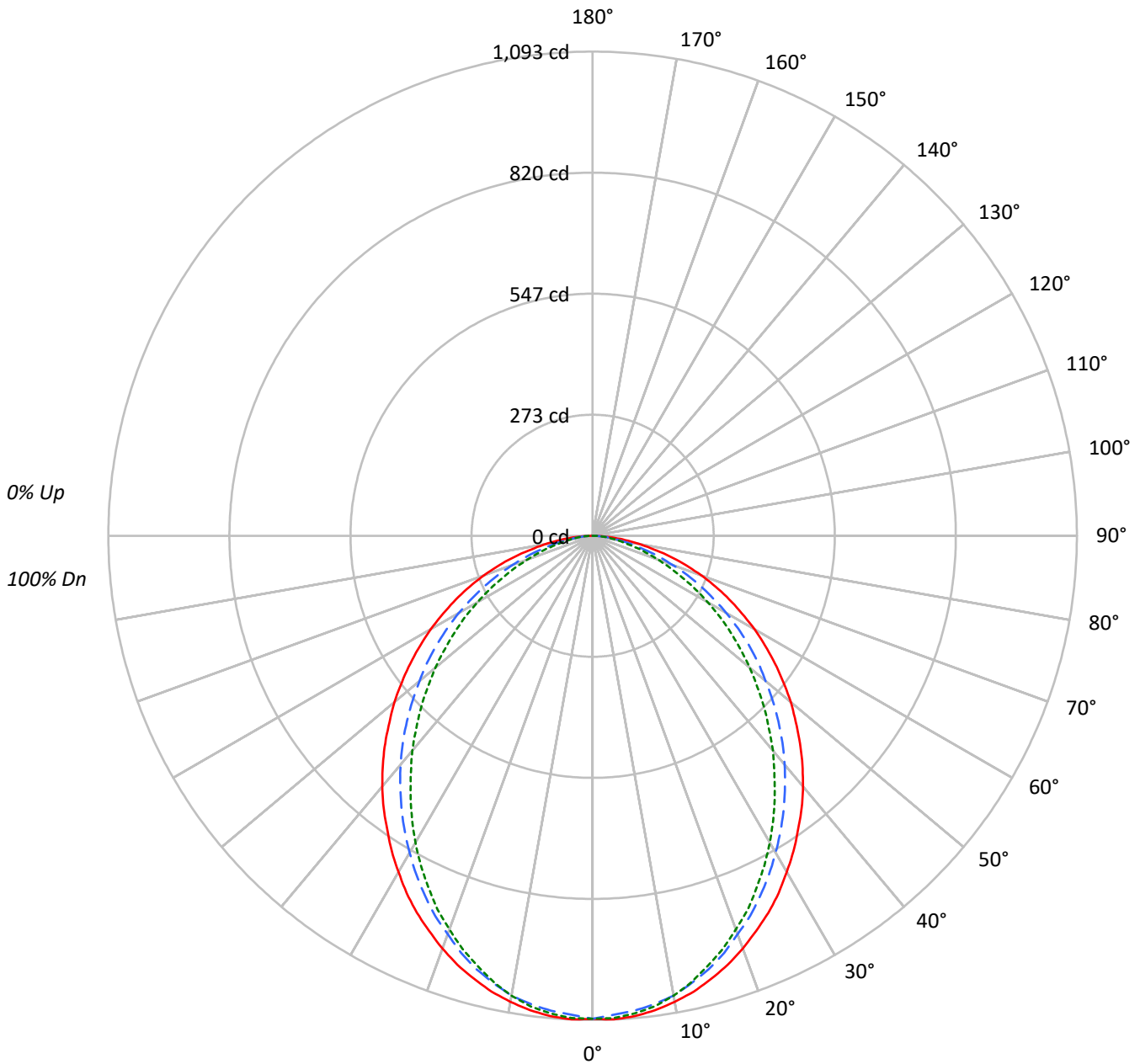
Lumens per Lamp: N/A
Luminaire Lumens: 2576.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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: P888141

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P888141

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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°	10370	10370	10370
5°	10394	10275	10336
10°	10315	10179	10179
15°	10193	9972	9892
20°	10034	9685	9568
25°	9850	9401	9195
30°	9622	9070	8782
35°	9389	8730	8318
40°	9171	8373	7863
45°	8904	7973	7365
50°	8638	7541	6847
55°	8330	7130	6298
60°	8019	6625	5701
65°	7656	6042	5018
70°	7238	5308	4330
75°	6658	4479	3605
80°	5866	3522	3029
85°	4932	2881	2695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	4.0
10°-20°	286.8	11.1
20°-30°	415.8	16.1
30°-40°	473.7	18.4
40°-50°	461.7	17.9
50°-60°	388.6	15.1
60°-70°	272.3	10.6
70°-80°	139.6	5.4
80°-90°	34.8	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°	805.2	31.3
0°-40°	1278.9	49.6
0°-60°	2129.3	82.7
0°-90°	2576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2576.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1089	1086	1076	1084	1083	103
15°	1035	1030	1013	1012	1005	292
25°	939	926	896	885	876	432
35°	809	789	752	728	716	506
45°	662	638	593	560	548	511
55°	502	476	430	393	380	449
65°	340	312	268	235	223	337
75°	181	156	122	104	98	191
85°	45	30	26	26	25	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	1092.8	1090.4	1082.1	1090.4	1089.5
5°	1088.7	1085.5	1076.3	1084.4	1082.7
7.5°	1080.4	1077.1	1066.4	1073.0	1071.4
10°	1068.1	1065.6	1054.0	1056.6	1054.0
12.5°	1054.0	1050.7	1034.2	1035.8	1031.9
15°	1035.2	1030.2	1012.8	1012.0	1004.7
17.5°	1015.4	1008.0	987.3	983.3	977.5
20°	991.4	983.3	956.9	952.7	945.4
22.5°	965.1	956.9	929.1	919.9	913.9
25°	938.7	926.3	895.9	885.2	876.2
27.5°	909.2	894.2	862.2	848.3	839.2
30°	876.2	860.6	825.9	807.2	799.7
32.5°	844.0	825.2	789.7	768.4	758.6
35°	808.7	789.0	751.9	728.0	716.4
37.5°	774.9	750.9	713.1	685.3	673.5
40°	738.7	714.0	674.4	643.1	633.3
42.5°	700.7	675.2	633.9	604.5	588.7
45°	662.0	638.4	592.8	560.0	547.6
47.5°	621.6	597.1	551.6	518.0	503.9
50°	583.8	556.6	509.7	475.2	462.8
52.5°	542.6	514.8	470.9	433.1	420.7
55°	502.4	476.0	430.0	392.9	379.8
57.5°	461.2	433.1	388.8	352.4	341.0
60°	421.6	392.9	348.3	312.1	299.7
62.5°	379.8	352.4	307.2	274.2	261.8
65°	340.2	312.1	268.5	235.4	223.0
67.5°	300.5	272.7	230.5	199.3	189.6
70°	260.3	232.2	190.9	165.4	155.7
72.5°	220.7	193.5	155.7	132.6	126.9
75°	181.2	156.4	121.9	103.9	98.1
77.5°	140.7	121.0	92.1	78.4	73.3
80°	107.1	87.4	64.3	56.8	55.3
82.5°	74.1	56.8	42.9	40.2	39.6
85°	45.2	30.4	26.4	25.5	24.7
87.5°	19.1	13.1	12.4	12.4	11.5
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)