

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: P888428

Luminaire Tested: **DPT5-6FO36-37V60-F-XX-UDD_3000K**

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: P888428
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: DPT5-6FO36-37V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

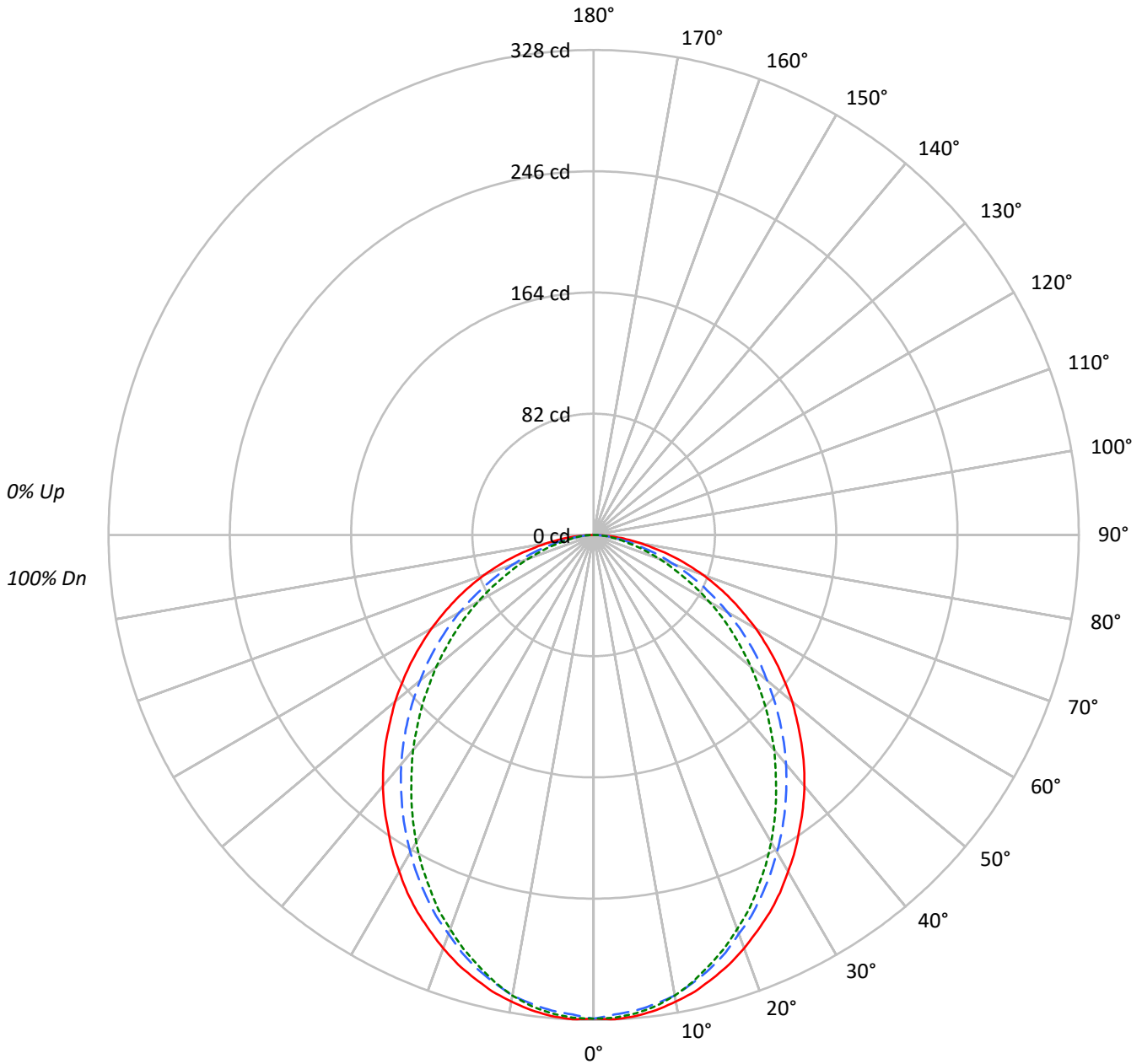
Lumens per Lamp: N/A
Luminaire Lumens: 773.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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

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Luminous Intensity Polar Plot





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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°	3112	3112	3112
5°	3119	3084	3102
10°	3095	3055	3055
15°	3058	2992	2969
20°	3011	2906	2871
25°	2956	2821	2759
30°	2887	2721	2636
35°	2818	2619	2496
40°	2752	2513	2359
45°	2673	2393	2210
50°	2592	2264	2055
55°	2500	2139	1890
60°	2406	1988	1710
65°	2298	1814	1506
70°	2172	1593	1299
75°	1999	1345	1080
80°	1758	1057	909
85°	1484	862	807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	4.0
10°-20°	86.1	11.1
20°-30°	124.8	16.1
30°-40°	142.2	18.4
40°-50°	138.6	17.9
50°-60°	116.6	15.1
60°-70°	81.7	10.6
70°-80°	41.9	5.4
80°-90°	10.5	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°	241.6	31.3
0°-40°	383.8	49.6
0°-60°	638.9	82.7
0°-90°	773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	327	327	327	327	327	
5°	327	326	323	325	325	31
15°	311	309	304	304	302	88
25°	282	278	269	266	263	130
35°	243	237	226	218	215	152
45°	199	192	178	168	164	153
55°	151	143	129	118	114	135
65°	102	94	81	71	67	101
75°	54	47	37	31	29	57
85°	14	9	8	8	7	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	327.2	327.2	327.2	327.2	327.2
2.5°	327.9	327.2	324.7	327.2	326.9
5°	326.7	325.7	323.0	325.4	324.9
7.5°	324.2	323.2	320.0	322.0	321.5
10°	320.5	319.8	316.3	317.1	316.3
12.5°	316.3	315.3	310.3	310.8	309.6
15°	310.6	309.1	303.9	303.7	301.5
17.5°	304.7	302.5	296.3	295.1	293.3
20°	297.5	295.1	287.1	285.9	283.7
22.5°	289.6	287.1	278.8	276.0	274.3
25°	281.7	278.0	268.8	265.6	262.9
27.5°	272.8	268.3	258.7	254.5	251.8
30°	262.9	258.3	247.8	242.2	240.0
32.5°	253.3	247.6	237.0	230.6	227.6
35°	242.7	236.8	225.6	218.5	215.0
37.5°	232.5	225.3	214.0	205.6	202.1
40°	221.7	214.2	202.4	193.0	190.0
42.5°	210.3	202.6	190.2	181.4	176.7
45°	198.7	191.6	177.9	168.0	164.3
47.5°	186.5	179.2	165.5	155.4	151.2
50°	175.2	167.0	153.0	142.6	138.9
52.5°	162.8	154.5	141.3	130.0	126.2
55°	150.8	142.8	129.0	117.9	114.0
57.5°	138.4	130.0	116.7	105.7	102.3
60°	126.5	117.9	104.5	93.6	89.9
62.5°	114.0	105.7	92.2	82.3	78.6
65°	102.1	93.6	80.6	70.6	66.9
67.5°	90.2	81.8	69.2	59.8	56.9
70°	78.1	69.7	57.3	49.6	46.7
72.5°	66.2	58.1	46.7	39.8	38.1
75°	54.4	46.9	36.6	31.2	29.4
77.5°	42.2	36.3	27.6	23.5	22.0
80°	32.1	26.2	19.3	17.1	16.6
82.5°	22.2	17.1	12.9	12.1	11.9
85°	13.6	9.1	7.9	7.7	7.4
87.5°	5.7	3.9	3.7	3.7	3.4
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)