

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: P888549

Luminaire Tested: **DPT5-6FO55-61V60-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: P888549
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: DPT5-6FO55-61V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

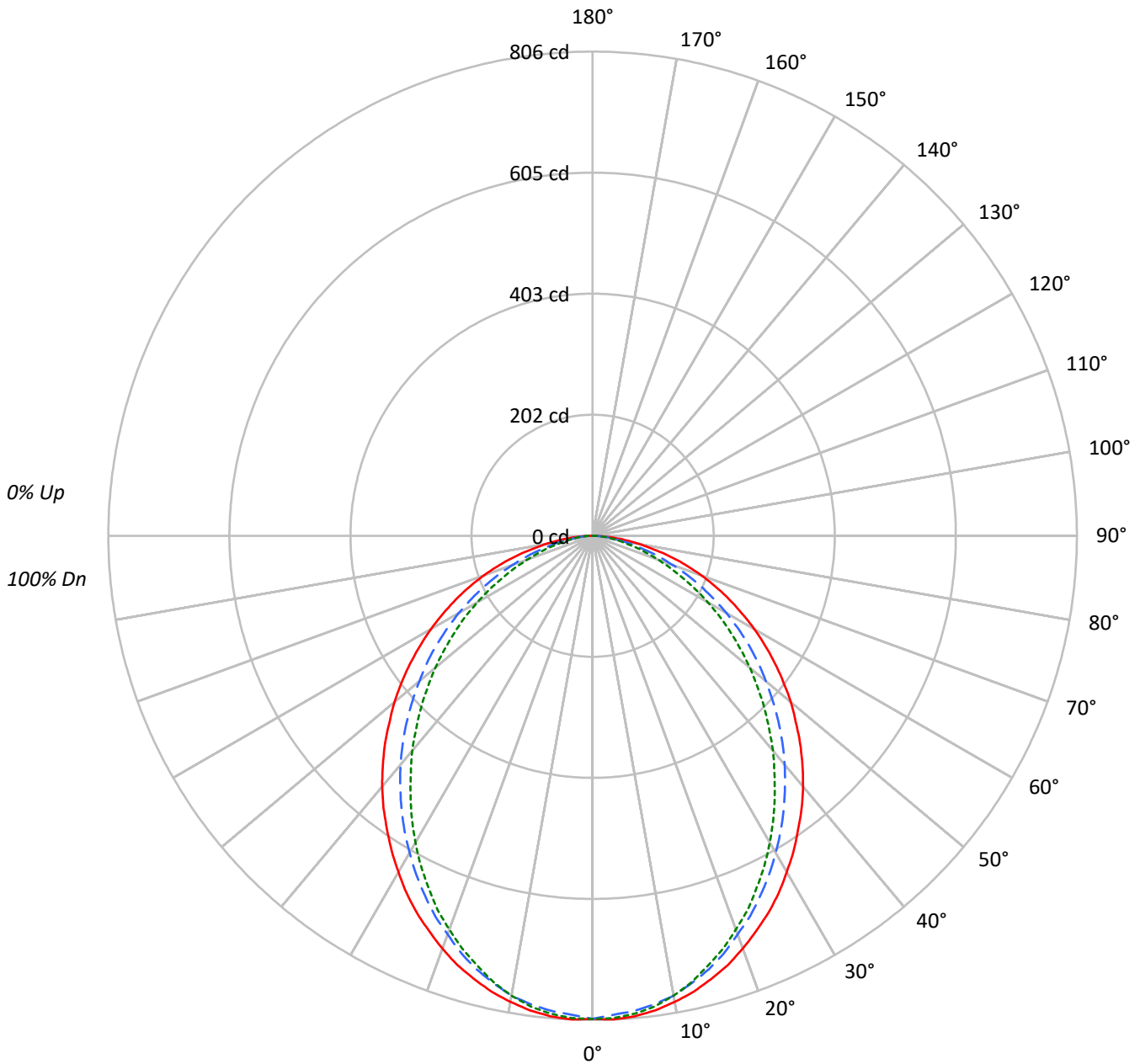
Lumens per Lamp: N/A
Luminaire Lumens: 1900.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	5136	5136	5136
5°	5148	5089	5120
10°	5109	5041	5041
15°	5049	4939	4899
20°	4969	4797	4739
25°	4879	4656	4554
30°	4766	4492	4349
35°	4650	4324	4120
40°	4543	4147	3894
45°	4410	3950	3648
50°	4278	3736	3392
55°	4126	3532	3119
60°	3972	3281	2824
65°	3791	2994	2486
70°	3585	2629	2144
75°	3297	2218	1784
80°	2905	1743	1501
85°	2447	1429	1341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	4.0
10°-20°	211.5	11.1
20°-30°	306.7	16.1
30°-40°	349.4	18.4
40°-50°	340.6	17.9
50°-60°	286.6	15.1
60°-70°	200.8	10.6
70°-80°	103.0	5.4
80°-90°	25.7	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°	593.9	31.3
0°-40°	943.3	49.6
0°-60°	1570.5	82.7
0°-90°	1900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	803	801	794	800	799	76
15°	764	760	747	746	741	215
25°	692	683	661	653	646	319
35°	596	582	555	537	528	374
45°	488	471	437	413	404	377
55°	371	351	317	290	280	331
65°	251	230	198	174	164	248
75°	134	115	90	77	72	141
85°	33	22	20	19	18	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.2	804.2	804.2	804.2	804.2
2.5°	806.0	804.2	798.1	804.2	803.6
5°	803.0	800.6	793.9	799.8	798.6
7.5°	796.9	794.4	786.5	791.4	790.3
10°	787.8	786.0	777.4	779.3	777.4
12.5°	777.4	774.9	762.8	764.0	761.1
15°	763.6	759.8	747.0	746.4	741.0
17.5°	748.9	743.5	728.2	725.3	721.0
20°	731.2	725.3	705.8	702.7	697.3
22.5°	711.8	705.8	685.3	678.5	674.1
25°	692.4	683.2	660.8	652.9	646.3
27.5°	670.6	659.6	635.9	625.7	619.0
30°	646.3	634.8	609.2	595.3	589.8
32.5°	622.5	608.6	582.5	566.7	559.5
35°	596.5	581.9	554.6	537.0	528.4
37.5°	571.6	553.9	525.9	505.4	496.8
40°	544.9	526.6	497.4	474.3	467.1
42.5°	516.8	498.0	467.6	445.8	434.2
45°	488.3	470.8	437.3	413.0	403.9
47.5°	458.5	440.4	406.8	382.1	371.7
50°	430.6	410.6	376.0	350.5	341.4
52.5°	400.2	379.7	347.4	319.4	310.3
55°	370.6	351.1	317.2	289.8	280.1
57.5°	340.1	319.4	286.7	259.9	251.5
60°	311.0	289.8	256.9	230.2	221.1
62.5°	280.1	259.9	226.6	202.2	193.1
65°	250.9	230.2	198.1	173.6	164.5
67.5°	221.6	201.1	170.0	147.0	139.8
70°	192.0	171.3	140.8	122.0	114.8
72.5°	162.8	142.8	114.8	97.8	93.6
75°	133.6	115.4	89.9	76.6	72.3
77.5°	103.8	89.2	67.9	57.8	54.1
80°	79.0	64.4	47.4	41.9	40.8
82.5°	54.6	41.9	31.7	29.6	29.2
85°	33.4	22.4	19.5	18.8	18.3
87.5°	14.1	9.7	9.1	9.1	8.5
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)