

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: P888546

Luminaire Tested: **DPT5-6FO55-61S35-F-XX-UDD**

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: P888546  
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: DPT5-6FO55-61S35-F-XX-UDD  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

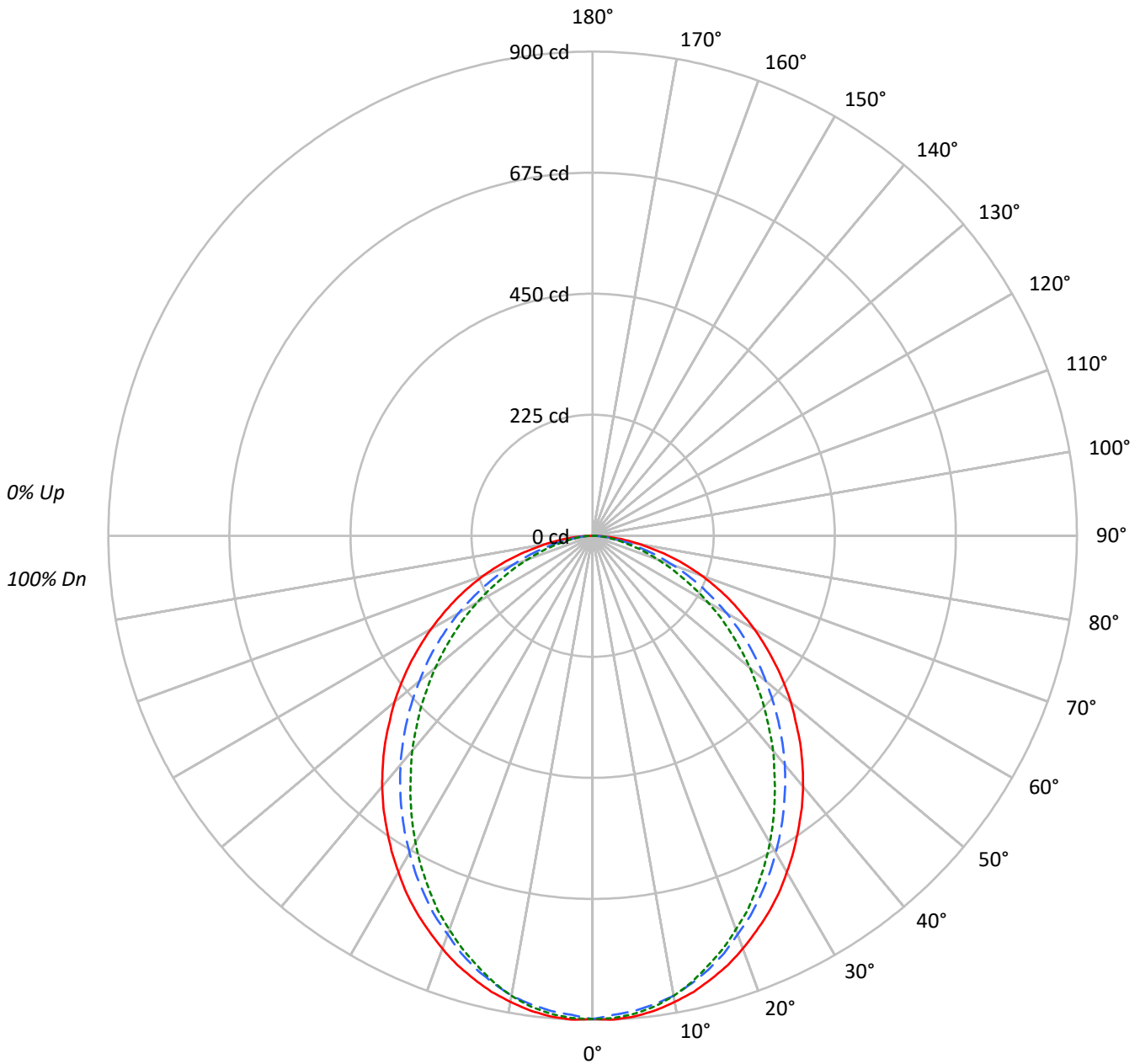
Lumens per Lamp: N/A  
Luminaire Lumens: 2122.0 lumens  
Efficiency: N/A  
Efficacy: 98.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5736	5736	5736
5°	5749	5684	5718
10°	5705	5631	5631
15°	5638	5516	5472
20°	5550	5357	5293
25°	5448	5200	5086
30°	5323	5017	4857
35°	5194	4829	4601
40°	5073	4632	4349
45°	4926	4411	4074
50°	4778	4172	3788
55°	4608	3944	3483
60°	4436	3664	3154
65°	4234	3343	2776
70°	4003	2937	2394
75°	3681	2477	1994
80°	3244	1949	1677
85°	2726	1597	1495



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.5	4.0
10°-20°	236.2	11.1
20°-30°	342.5	16.1
30°-40°	390.3	18.4
40°-50°	380.4	17.9
50°-60°	320.1	15.1
60°-70°	224.3	10.6
70°-80°	115.0	5.4
80°-90°	28.7	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°	663.3	31.3
0°-40°	1053.5	49.6
0°-60°	1754.0	82.7
0°-90°	2122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	897	894	887	893	892	85
15°	853	849	834	834	828	240
25°	773	763	738	729	722	356
35°	666	650	619	600	590	417
45°	545	526	488	461	451	421
55°	414	392	354	324	313	370
65°	280	257	221	194	184	277
75°	149	129	100	86	81	158
85°	37	25	22	21	20	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	898.2	898.2	898.2	898.2	898.2
2.5°	900.2	898.2	891.4	898.2	897.4
5°	896.8	894.2	886.6	893.3	891.9
7.5°	890.0	887.3	878.4	883.9	882.6
10°	879.8	877.8	868.3	870.4	868.3
12.5°	868.3	865.5	851.9	853.3	850.0
15°	852.8	848.6	834.3	833.6	827.6
17.5°	836.4	830.4	813.3	810.0	805.2
20°	816.7	810.0	788.2	784.8	778.8
22.5°	795.0	788.2	765.3	757.8	752.9
25°	773.2	763.1	738.0	729.2	721.8
27.5°	749.0	736.6	710.2	698.8	691.3
30°	721.8	708.9	680.4	664.9	658.7
32.5°	695.2	679.8	650.6	632.9	624.9
35°	666.2	649.9	619.4	599.7	590.2
37.5°	638.4	618.6	587.4	564.5	554.8
40°	608.5	588.1	555.6	529.8	521.7
42.5°	577.2	556.2	522.2	497.9	485.0
45°	545.4	525.9	488.4	461.3	451.1
47.5°	512.0	491.9	454.4	426.7	415.1
50°	480.9	458.5	419.9	391.5	381.3
52.5°	447.0	424.1	387.9	356.7	346.5
55°	413.9	392.1	354.2	323.6	312.8
57.5°	379.9	356.7	320.2	290.3	280.9
60°	347.3	323.6	286.9	257.1	246.9
62.5°	312.8	290.3	253.1	225.9	215.7
65°	280.2	257.1	221.2	193.9	183.7
67.5°	247.5	224.6	189.9	164.2	156.2
70°	214.4	191.3	157.3	136.3	128.2
72.5°	181.8	159.4	128.2	109.2	104.6
75°	149.2	128.9	100.4	85.6	80.8
77.5°	115.9	99.7	75.9	64.6	60.4
80°	88.2	72.0	53.0	46.8	45.6
82.5°	61.0	46.8	35.4	33.1	32.6
85°	37.2	25.0	21.8	21.0	20.4
87.5°	15.7	10.8	10.2	10.2	9.4
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)