

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: P888535

Luminaire Tested: **DPT5-6FO55-37S35-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: P888535  
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: DPT5-6FO55-37S35-F-XX-UDD  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

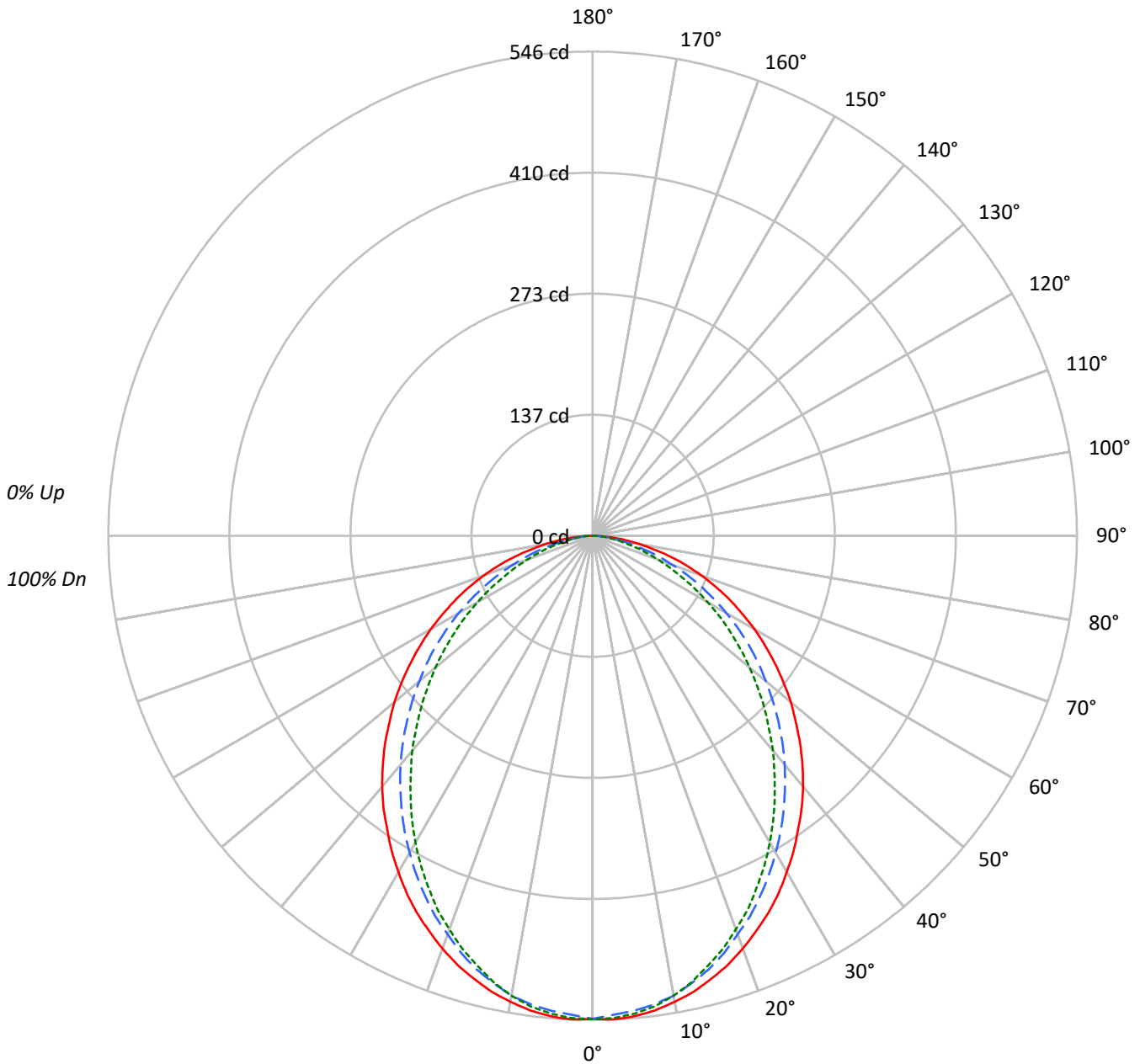
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1287.0 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): 13.1  
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°	3479	3479	3479
5°	3487	3447	3468
10°	3460	3415	3415
15°	3420	3345	3318
20°	3366	3249	3210
25°	3305	3154	3085
30°	3228	3043	2946
35°	3150	2928	2790
40°	3077	2809	2638
45°	2988	2675	2471
50°	2898	2531	2297
55°	2795	2392	2112
60°	2690	2222	1912
65°	2569	2028	1683
70°	2427	1781	1453
75°	2233	1503	1209
80°	1968	1181	1015
85°	1656	967	909



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	4.0
10°-20°	143.3	11.1
20°-30°	207.7	16.1
30°-40°	236.7	18.4
40°-50°	230.7	17.9
50°-60°	194.1	15.1
60°-70°	136.0	10.6
70°-80°	69.8	5.4
80°-90°	17.4	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°	402.3	31.3
0°-40°	639.0	49.6
0°-60°	1063.8	82.7
0°-90°	1287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	545	545	545	545	545	
5°	544	542	538	542	541	52
15°	517	515	506	506	502	146
25°	469	463	448	442	438	216
35°	404	394	376	364	358	253
45°	331	319	296	280	274	255
55°	251	238	215	196	190	224
65°	170	156	134	118	111	168
75°	90	78	61	52	49	96
85°	23	15	13	13	12	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	544.8	544.8	544.8	544.8	544.8
2.5°	546.0	544.8	540.6	544.8	544.3
5°	543.9	542.3	537.7	541.8	540.9
7.5°	539.8	538.1	532.8	536.1	535.3
10°	533.6	532.4	526.6	527.9	526.6
12.5°	526.6	524.9	516.7	517.5	515.5
15°	517.2	514.7	506.0	505.6	501.9
17.5°	507.3	503.6	493.2	491.3	488.4
20°	495.3	491.3	478.1	476.0	472.3
22.5°	482.2	478.1	464.2	459.6	456.6
25°	469.0	462.8	447.6	442.3	437.8
27.5°	454.2	446.8	430.7	423.8	419.3
30°	437.8	430.0	412.7	403.3	399.5
32.5°	421.7	412.3	394.6	383.9	379.0
35°	404.0	394.2	375.6	363.7	357.9
37.5°	387.2	375.2	356.3	342.4	336.5
40°	369.1	356.7	336.9	321.3	316.4
42.5°	350.1	337.3	316.7	302.0	294.1
45°	330.8	318.9	296.2	279.8	273.6
47.5°	310.5	298.3	275.6	258.8	251.8
50°	291.7	278.1	254.7	237.4	231.2
52.5°	271.1	257.2	235.3	216.4	210.2
55°	251.0	237.8	214.8	196.3	189.7
57.5°	230.4	216.4	194.2	176.1	170.3
60°	210.6	196.3	174.0	155.9	149.7
62.5°	189.7	176.1	153.5	137.0	130.8
65°	170.0	155.9	134.2	117.6	111.4
67.5°	150.1	136.2	115.2	99.6	94.7
70°	130.0	116.0	95.4	82.7	77.8
72.5°	110.3	96.7	77.8	66.2	63.4
75°	90.5	78.2	60.9	51.9	49.0
77.5°	70.3	60.4	46.0	39.2	36.6
80°	53.5	43.7	32.1	28.4	27.6
82.5°	37.0	28.4	21.4	20.1	19.8
85°	22.6	15.2	13.2	12.7	12.4
87.5°	9.5	6.6	6.2	6.2	5.7
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)