

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: P888543

Luminaire Tested: **DPT5-6FO55-37V60-F-XX-UDD\_6500K**

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: P888543  
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: DPT5-6FO55-37V60-F-XX-UDD\_6500K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

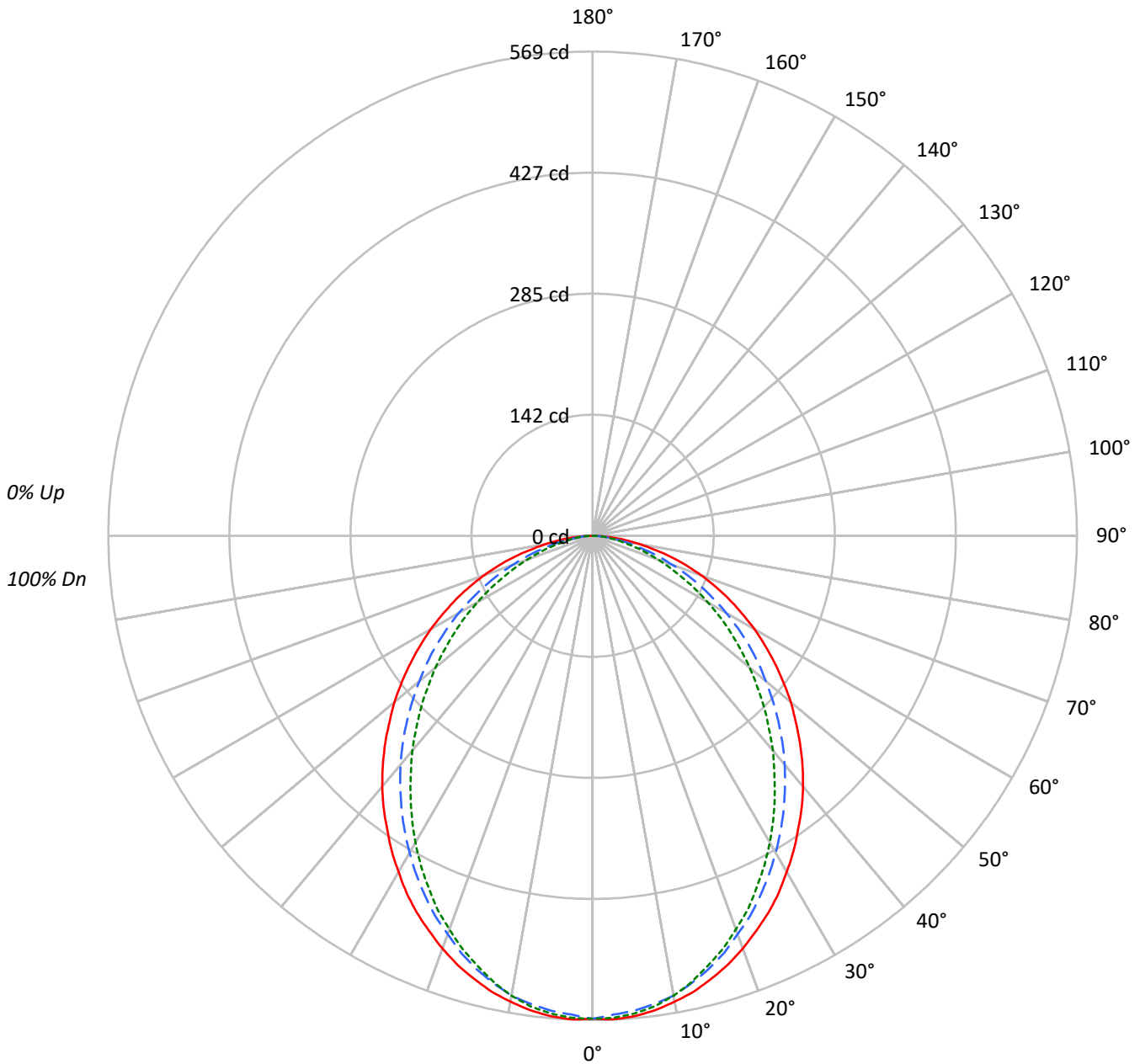
Lumens per Lamp: N/A  
Luminaire Lumens: 1341.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')  
CIE Type: Direct

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°	3625	3625	3625
5°	3633	3592	3613
10°	3606	3558	3558
15°	3563	3486	3458
20°	3508	3385	3345
25°	3444	3286	3214
30°	3363	3171	3070
35°	3282	3051	2908
40°	3206	2927	2749
45°	3112	2787	2575
50°	3019	2637	2393
55°	2912	2493	2201
60°	2804	2316	1993
65°	2676	2113	1754
70°	2530	1856	1512
75°	2327	1567	1261
80°	2048	1232	1059
85°	1722	1011	945



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.4	4.0
10°-20°	149.3	11.1
20°-30°	216.5	16.1
30°-40°	246.6	18.4
40°-50°	240.4	17.9
50°-60°	202.3	15.1
60°-70°	141.8	10.6
70°-80°	72.7	5.4
80°-90°	18.1	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°	419.2	31.3
0°-40°	665.8	49.6
0°-60°	1108.4	82.7
0°-90°	1341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	568	568	568	568	568	
5°	567	565	560	564	564	54
15°	539	536	527	527	523	152
25°	489	482	466	461	456	225
35°	421	411	391	379	373	264
45°	345	332	309	292	285	266
55°	262	248	224	204	198	234
65°	177	162	140	122	116	175
75°	94	81	64	54	51	100
85°	24	16	14	13	13	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	567.6	567.6	567.6	567.6	567.6
2.5°	568.9	567.6	563.3	567.6	567.1
5°	566.7	565.1	560.3	564.5	563.6
7.5°	562.4	560.7	555.1	558.6	557.8
10°	556.0	554.7	548.7	550.0	548.7
12.5°	548.7	546.9	538.4	539.2	537.2
15°	538.9	536.3	527.2	526.8	523.0
17.5°	528.6	524.8	513.9	511.9	508.9
20°	516.1	511.9	498.1	496.0	492.2
22.5°	502.4	498.1	483.6	478.9	475.8
25°	488.7	482.2	466.4	460.8	456.1
27.5°	473.3	465.5	448.8	441.6	436.9
30°	456.1	448.0	430.0	420.2	416.3
32.5°	439.4	429.6	411.1	400.0	394.9
35°	421.0	410.7	391.4	379.0	373.0
37.5°	403.4	390.9	371.2	356.7	350.6
40°	384.6	371.7	351.1	334.8	329.7
42.5°	364.8	351.5	330.0	314.7	306.5
45°	344.6	332.3	308.6	291.5	285.1
47.5°	323.6	310.8	287.1	269.7	262.3
50°	303.9	289.8	265.4	247.4	240.9
52.5°	282.5	268.0	245.2	225.4	219.0
55°	261.5	247.8	223.9	204.5	197.7
57.5°	240.1	225.4	202.4	183.5	177.5
60°	219.5	204.5	181.3	162.5	156.0
62.5°	197.7	183.5	159.9	142.7	136.3
65°	177.1	162.5	139.8	122.5	116.1
67.5°	156.4	141.9	120.0	103.8	98.7
70°	135.5	120.9	99.4	86.1	81.0
72.5°	114.9	100.8	81.0	69.0	66.1
75°	94.3	81.4	63.5	54.1	51.1
77.5°	73.2	63.0	48.0	40.8	38.2
80°	55.7	45.5	33.5	29.6	28.8
82.5°	38.6	29.6	22.3	20.9	20.6
85°	23.5	15.8	13.8	13.3	12.9
87.5°	9.9	6.8	6.4	6.4	6.0
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)