

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: P888554

Luminaire Tested: **DPT5-6FO55-61V60-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: P888554  
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\_6500K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

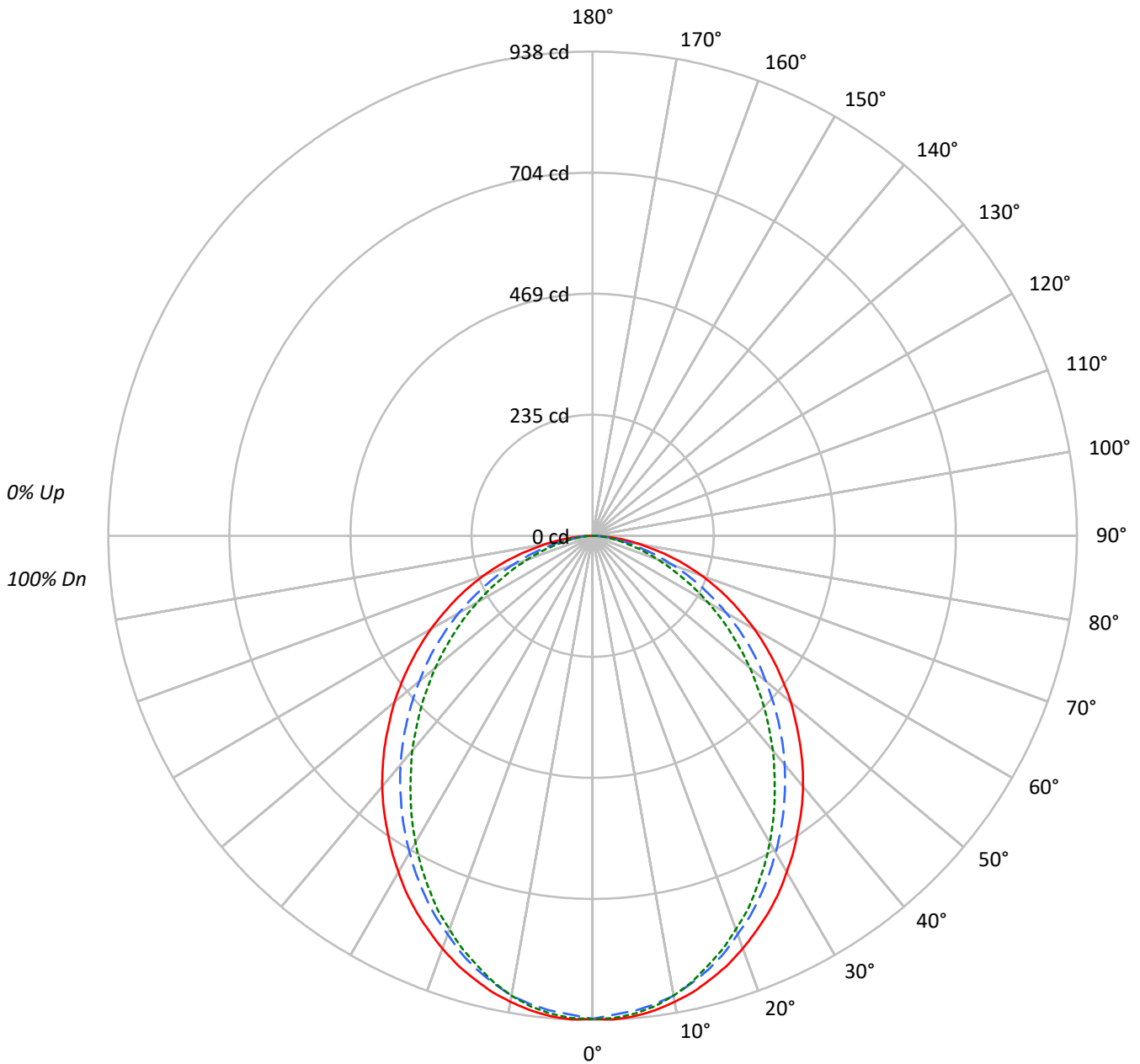
Lumens per Lamp: N/A  
Luminaire Lumens: 2211.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°	5977	5977	5977
5°	5990	5922	5957
10°	5945	5867	5867
15°	5874	5747	5701
20°	5783	5582	5514
25°	5677	5419	5300
30°	5546	5228	5062
35°	5411	5031	4794
40°	5286	4826	4532
45°	5132	4595	4245
50°	4979	4347	3947
55°	4801	4110	3629
60°	4622	3818	3285
65°	4412	3483	2892
70°	4171	3060	2495
75°	3837	2581	2078
80°	3380	2030	1747
85°	2843	1663	1553



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.1	4.0
10°-20°	246.1	11.1
20°-30°	356.9	16.1
30°-40°	406.6	18.4
40°-50°	396.3	17.9
50°-60°	333.5	15.1
60°-70°	233.7	10.6
70°-80°	119.8	5.4
80°-90°	29.9	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°	691.1	31.3
0°-40°	1097.7	49.6
0°-60°	1827.6	82.7
0°-90°	2211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2211.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	934	932	924	931	929	89
15°	888	884	869	869	862	251
25°	806	795	769	760	752	371
35°	694	677	645	625	615	435
45°	568	548	509	481	470	438
55°	431	408	369	337	326	386
65°	292	268	230	202	191	289
75°	156	134	105	89	84	164
85°	39	26	23	22	21	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	935.9	935.9	935.9	935.9	935.9
2.5°	938.0	935.9	928.8	935.9	935.1
5°	934.4	931.7	923.8	930.8	929.3
7.5°	927.3	924.5	915.3	920.9	919.6
10°	916.7	914.6	904.7	906.9	904.7
12.5°	904.7	901.8	887.6	889.1	885.7
15°	888.5	884.2	869.3	868.6	862.3
17.5°	871.5	865.2	847.4	844.0	839.0
20°	850.9	844.0	821.3	817.7	811.4
22.5°	828.4	821.3	797.4	789.6	784.4
25°	805.7	795.1	769.0	759.8	752.1
27.5°	780.4	767.5	740.0	728.1	720.3
30°	752.1	738.7	708.9	692.8	686.4
32.5°	724.4	708.3	677.8	659.5	651.1
35°	694.1	677.2	645.3	624.9	614.9
37.5°	665.1	644.5	612.0	588.2	578.1
40°	634.1	612.8	578.9	552.0	543.6
42.5°	601.4	579.5	544.1	518.8	505.3
45°	568.2	547.9	508.8	480.7	470.0
47.5°	533.5	512.5	473.4	444.6	432.5
50°	501.1	477.8	437.5	407.9	397.3
52.5°	465.7	441.8	404.2	371.7	361.1
55°	431.2	408.5	369.1	337.2	325.9
57.5°	395.8	371.7	333.7	302.5	292.6
60°	361.9	337.2	298.9	267.9	257.2
62.5°	325.9	302.5	263.7	235.3	224.7
65°	292.0	267.9	230.5	202.0	191.4
67.5°	257.9	234.0	197.8	171.1	162.7
70°	223.4	199.3	163.9	142.0	133.6
72.5°	189.5	166.1	133.6	113.8	109.0
75°	155.5	134.3	104.6	89.2	84.2
77.5°	120.8	103.8	79.1	67.3	62.9
80°	91.9	75.0	55.2	48.8	47.5
82.5°	63.6	48.8	36.8	34.5	34.0
85°	38.8	26.1	22.7	21.9	21.2
87.5°	16.4	11.3	10.6	10.6	9.8
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)