

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: P888419

Luminaire Tested: **DPT5-6FO36-127V60-F-XX-UDD\_4000K**

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: P888419  
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: DPT5-6FO36-127V60-F-XX-UDD\_4000K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

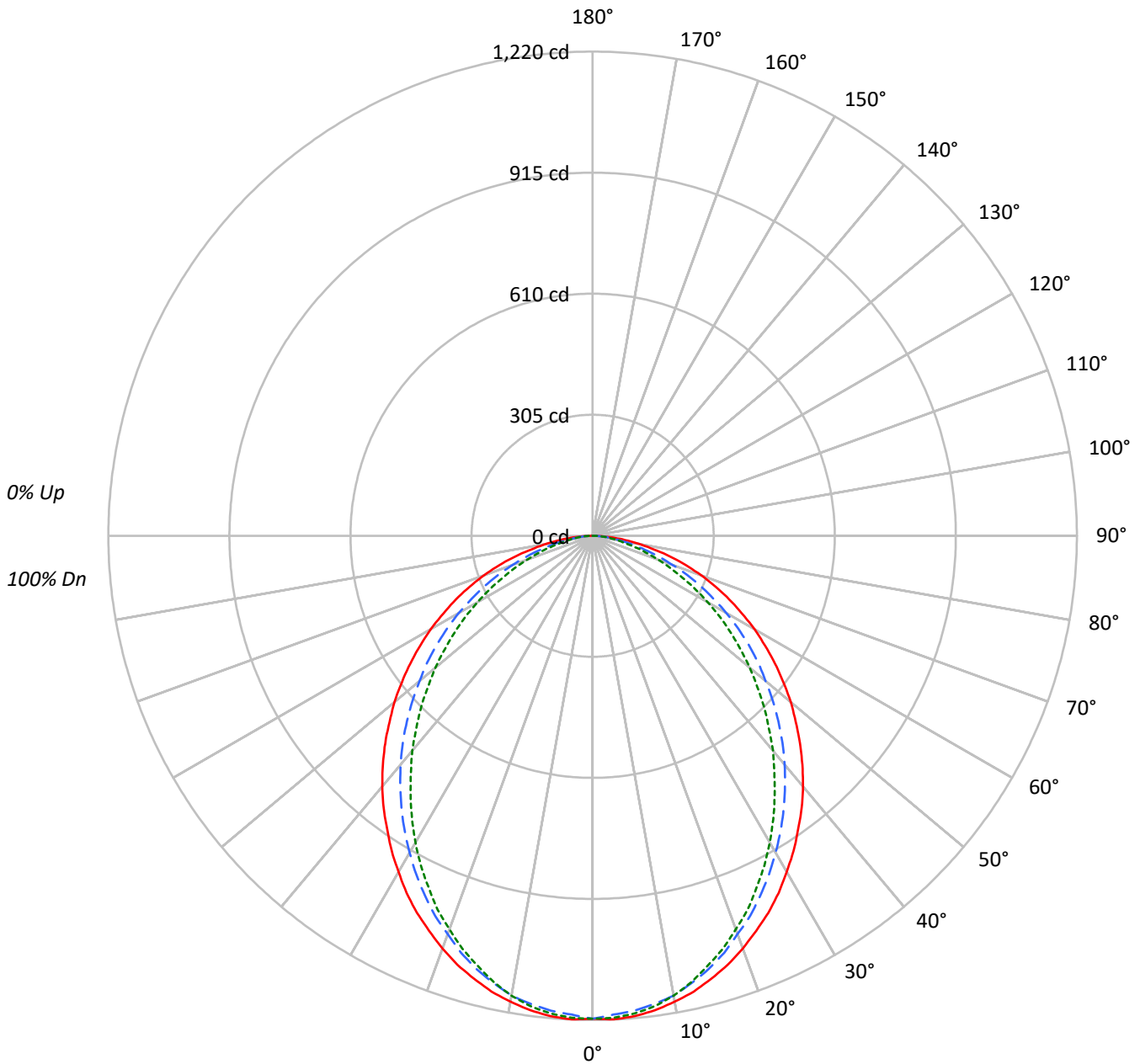
Lumens per Lamp: N/A  
Luminaire Lumens: 2875.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

Input Watts (W): 30  
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					20					
RC	80					70					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°	11573	11573	11573
5°	11600	11468	11536
10°	11511	11361	11361
15°	11376	11129	11040
20°	11199	10808	10679
25°	10993	10493	10262
30°	10739	10123	9801
35°	10479	9742	9284
40°	10236	9345	8775
45°	9938	8900	8221
50°	9641	8417	7644
55°	9297	7957	7027
60°	8949	7393	6363
65°	8545	6744	5601
70°	8078	5926	4830
75°	7430	4997	4024
80°	6545	3932	3379
85°	5511	3219	3012



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.5	4.0
10°-20°	320.1	11.1
20°-30°	464.1	16.1
30°-40°	528.7	18.4
40°-50°	515.3	17.9
50°-60°	433.7	15.1
60°-70°	303.9	10.6
70°-80°	155.8	5.4
80°-90°	38.9	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°	898.6	31.3
0°-40°	1427.4	49.6
0°-60°	2376.4	82.7
0°-90°	2875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1215	1212	1201	1210	1208	115
15°	1155	1150	1130	1130	1121	326
25°	1048	1034	1000	988	978	482
35°	903	881	839	812	800	565
45°	739	712	662	625	611	570
55°	561	531	480	438	424	501
65°	380	348	300	263	249	376
75°	202	175	136	116	110	214
85°	50	34	30	28	28	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1219.7	1216.9	1207.7	1216.9	1215.9
5°	1215.1	1211.5	1201.2	1210.3	1208.4
7.5°	1205.8	1202.1	1190.2	1197.5	1195.8
10°	1192.0	1189.3	1176.4	1179.3	1176.4
12.5°	1176.4	1172.6	1154.2	1156.1	1151.6
15°	1155.4	1149.8	1130.3	1129.5	1121.3
17.5°	1133.2	1125.0	1101.9	1097.4	1090.9
20°	1106.5	1097.4	1067.9	1063.3	1055.1
22.5°	1077.1	1067.9	1036.9	1026.7	1020.0
25°	1047.6	1033.8	999.9	988.0	977.9
27.5°	1014.7	998.0	962.2	946.7	936.7
30°	977.9	960.5	921.8	900.8	892.5
32.5°	941.9	921.0	881.4	857.5	846.6
35°	902.6	880.6	839.1	812.5	799.6
37.5°	864.9	838.1	795.8	764.8	751.7
40°	824.5	796.9	752.7	717.7	706.8
42.5°	782.0	753.5	707.5	674.6	657.1
45°	738.9	712.5	661.7	625.0	611.2
47.5°	693.7	666.4	615.6	578.1	562.4
50°	651.6	621.3	568.9	530.4	516.6
52.5°	605.6	574.5	525.6	483.3	469.5
55°	560.7	531.2	479.9	438.5	423.8
57.5°	514.7	483.3	433.9	393.3	380.5
60°	470.5	438.5	388.7	348.3	334.5
62.5°	423.8	393.3	342.8	306.0	292.2
65°	379.7	348.3	299.7	262.7	248.9
67.5°	335.3	304.3	257.3	222.5	211.6
70°	290.5	259.1	213.1	184.6	173.7
72.5°	246.4	216.0	173.7	148.0	141.7
75°	202.2	174.6	136.0	115.9	109.5
77.5°	157.0	135.0	102.8	87.5	81.8
80°	119.5	97.5	71.8	63.4	61.7
82.5°	82.7	63.4	47.9	44.8	44.2
85°	50.5	33.9	29.5	28.5	27.6
87.5°	21.3	14.7	13.8	13.8	12.8
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)