

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: P888426

Luminaire Tested: **DPT5-6FO36-37S40-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: P888426  
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: DPT5-6FO36-37S40-F-XX-UDD  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

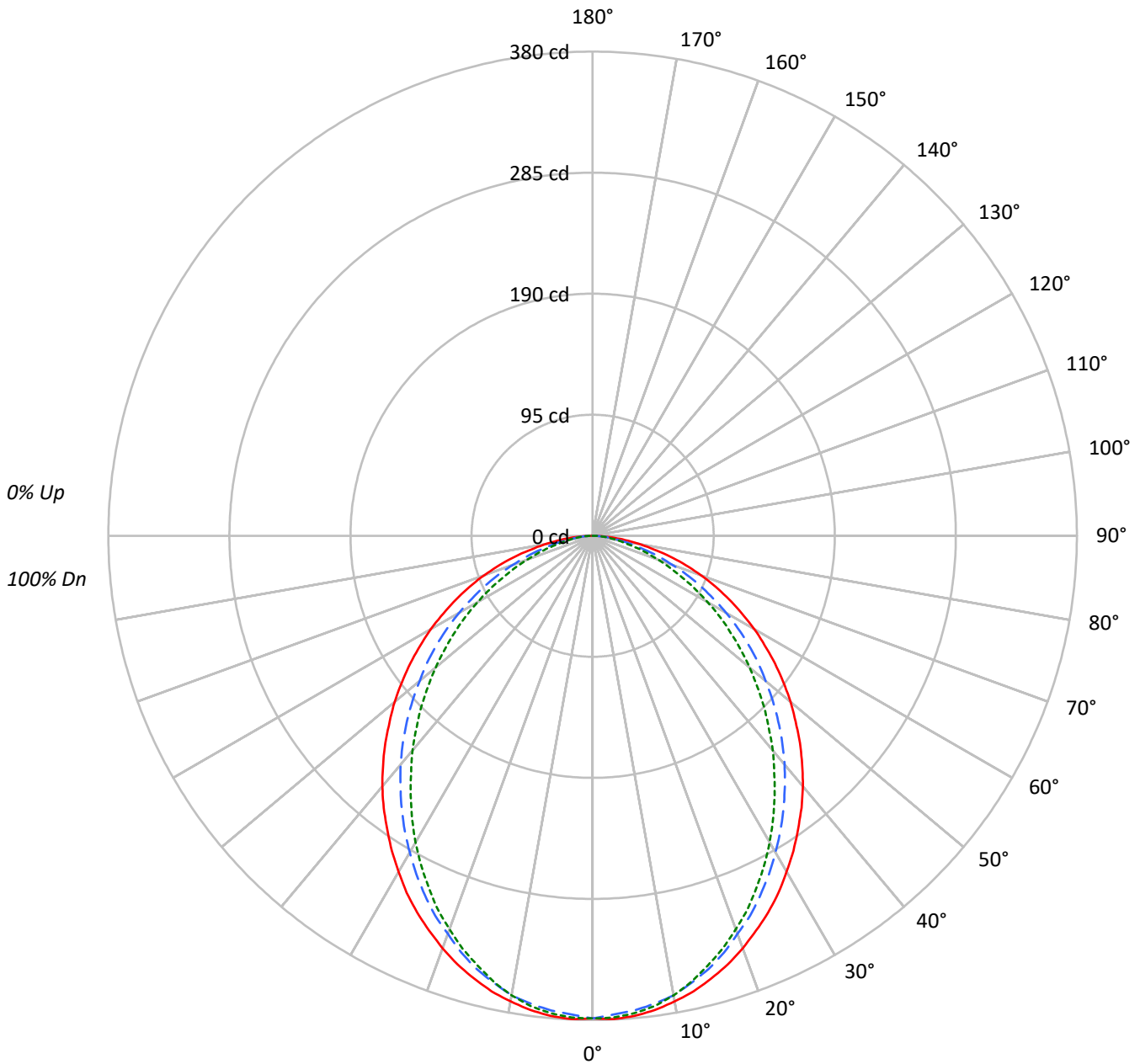
Lumens per Lamp: N/A  
Luminaire Lumens: 895.0 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.7  
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°	3603	3603	3603
5°	3612	3571	3592
10°	3584	3536	3536
15°	3542	3465	3437
20°	3486	3364	3325
25°	3422	3267	3194
30°	3343	3152	3051
35°	3262	3033	2890
40°	3187	2909	2731
45°	3093	2771	2560
50°	3001	2620	2379
55°	2895	2477	2187
60°	2787	2302	1980
65°	2660	2100	1744
70°	2514	1844	1504
75°	2311	1558	1253
80°	2037	1221	1052
85°	1713	1004	938



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	4.0
10°-20°	99.6	11.1
20°-30°	144.5	16.1
30°-40°	164.6	18.4
40°-50°	160.4	17.9
50°-60°	135.0	15.1
60°-70°	94.6	10.6
70°-80°	48.5	5.4
80°-90°	12.1	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°	279.7	31.3
0°-40°	444.3	49.6
0°-60°	739.8	82.7
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	379	379	379	379	379	
5°	378	377	374	377	376	36
15°	360	358	352	352	349	101
25°	326	322	311	308	304	150
35°	281	274	261	253	249	176
45°	230	222	206	195	190	177
55°	175	165	149	136	132	156
65°	118	108	93	82	78	117
75°	63	54	42	36	34	67
85°	16	11	9	9	9	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	378.8	378.8	378.8	378.8	378.8
2.5°	379.7	378.8	376.0	378.8	378.5
5°	378.3	377.1	374.0	376.8	376.2
7.5°	375.4	374.2	370.5	372.8	372.3
10°	371.1	370.2	366.2	367.1	366.2
12.5°	366.2	365.0	359.3	359.9	358.5
15°	359.7	357.9	351.9	351.6	349.1
17.5°	352.8	350.2	343.0	341.6	339.6
20°	344.4	341.6	332.4	331.0	328.5
22.5°	335.3	332.4	322.8	319.6	317.5
25°	326.1	321.8	311.3	307.6	304.4
27.5°	315.9	310.7	299.5	294.7	291.6
30°	304.4	299.0	287.0	280.4	277.8
32.5°	293.2	286.7	274.4	267.0	263.6
35°	281.0	274.1	261.2	252.9	248.9
37.5°	269.2	260.9	247.7	238.1	234.0
40°	256.7	248.1	234.3	223.4	220.0
42.5°	243.4	234.6	220.3	210.0	204.5
45°	230.0	221.8	206.0	194.6	190.3
47.5°	216.0	207.5	191.6	180.0	175.1
50°	202.8	193.4	177.1	165.1	160.8
52.5°	188.5	178.9	163.6	150.5	146.2
55°	174.6	165.4	149.4	136.5	131.9
57.5°	160.2	150.5	135.1	122.4	118.5
60°	146.5	136.5	121.0	108.4	104.1
62.5°	131.9	122.4	106.7	95.3	91.0
65°	118.2	108.4	93.3	81.8	77.5
67.5°	104.4	94.7	80.1	69.3	65.9
70°	90.4	80.7	66.3	57.5	54.1
72.5°	76.7	67.2	54.1	46.1	44.1
75°	62.9	54.3	42.4	36.1	34.1
77.5°	48.9	42.0	32.0	27.2	25.5
80°	37.2	30.4	22.3	19.7	19.2
82.5°	25.7	19.7	14.9	14.0	13.7
85°	15.7	10.6	9.2	8.9	8.6
87.5°	6.6	4.6	4.3	4.3	4.0
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)