

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: P888210

Luminaire Tested: **DPT5-6FO44-37V60-A-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: P888210  
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: DPT5-6FO44-37V60-A-XX-UDD\_4000K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

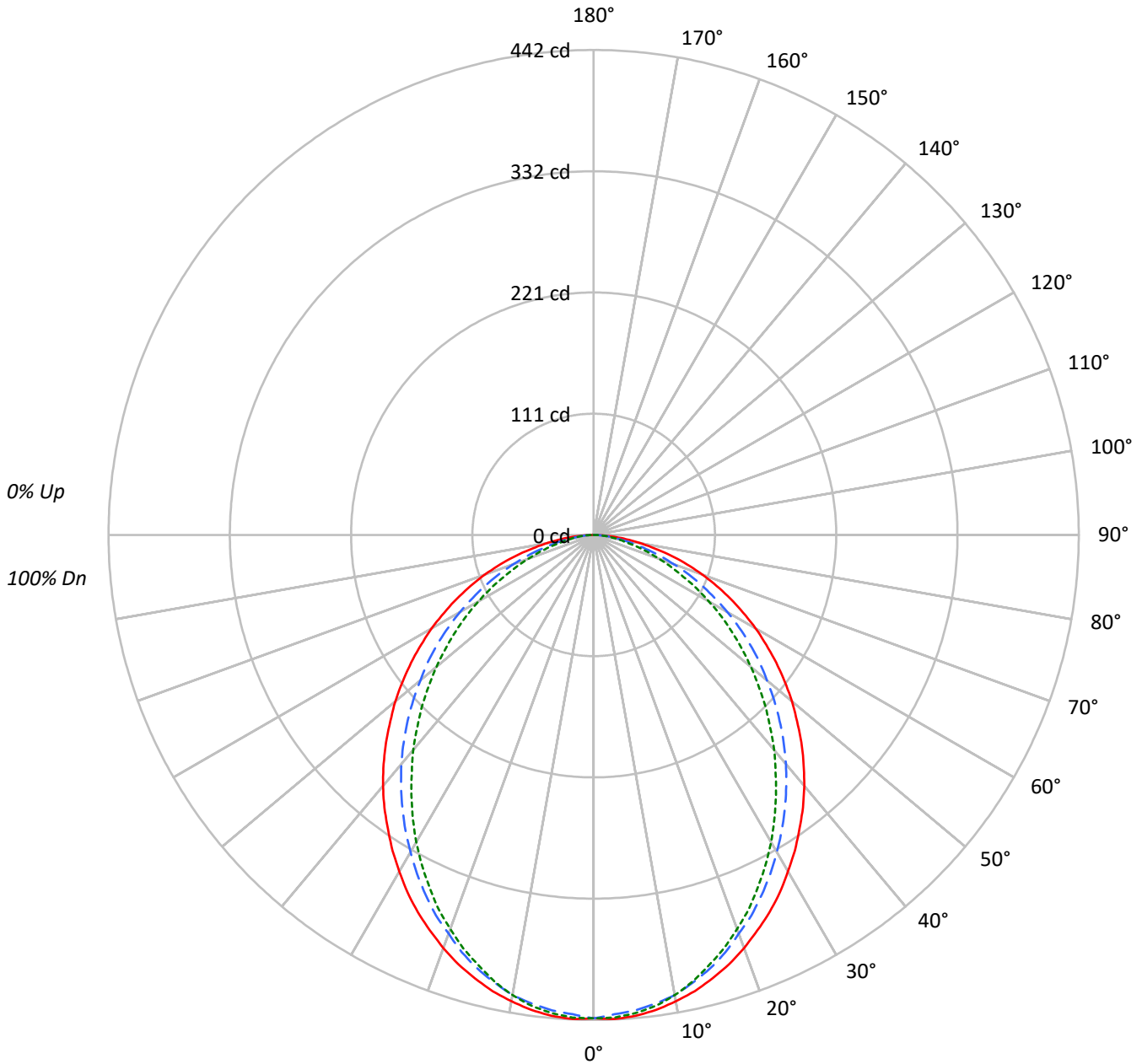
Lumens per Lamp: N/A  
Luminaire Lumens: 1041.0 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.8  
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°	3406	3406	3406
5°	3415	3376	3395
10°	3388	3343	3343
15°	3348	3276	3249
20°	3296	3181	3144
25°	3235	3089	3020
30°	3161	2980	2885
35°	3084	2867	2732
40°	3012	2750	2583
45°	2925	2620	2419
50°	2837	2478	2249
55°	2736	2343	2069
60°	2635	2175	1872
65°	2515	1985	1648
70°	2378	1745	1422
75°	2186	1473	1183
80°	1928	1158	993
85°	1623	949	887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	4.0
10°-20°	115.9	11.1
20°-30°	168.0	16.1
30°-40°	191.4	18.4
40°-50°	186.6	17.9
50°-60°	157.0	15.1
60°-70°	110.0	10.6
70°-80°	56.4	5.4
80°-90°	14.1	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°	325.4	31.3
0°-40°	516.8	49.6
0°-60°	860.5	82.7
0°-90°	1041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	440	439	435	438	438	42
15°	418	416	409	409	406	118
25°	379	374	362	358	354	175
35°	327	319	304	294	290	205
45°	268	258	240	226	221	206
55°	203	192	174	159	154	182
65°	138	126	108	95	90	136
75°	73	63	49	42	40	77
85°	18	12	11	10	10	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	440.6	440.6	440.6	440.6	440.6
2.5°	441.6	440.6	437.3	440.6	440.3
5°	440.0	438.7	435.0	438.2	437.5
7.5°	436.6	435.3	430.9	433.6	433.0
10°	431.6	430.6	425.9	427.0	425.9
12.5°	425.9	424.6	417.9	418.6	417.0
15°	418.3	416.3	409.3	409.0	406.0
17.5°	410.3	407.4	399.0	397.4	395.0
20°	400.6	397.4	386.7	385.0	382.1
22.5°	390.0	386.7	375.4	371.7	369.3
25°	379.3	374.3	362.1	357.7	354.1
27.5°	367.4	361.4	348.4	342.8	339.1
30°	354.1	347.8	333.8	326.2	323.2
32.5°	341.1	333.5	319.1	310.5	306.6
35°	326.8	318.8	303.8	294.2	289.5
37.5°	313.2	303.5	288.2	276.9	272.2
40°	298.5	288.5	272.5	259.9	255.9
42.5°	283.2	272.9	256.2	244.3	237.9
45°	267.5	258.0	239.6	226.3	221.3
47.5°	251.2	241.3	222.9	209.3	203.6
50°	235.9	224.9	206.0	192.0	187.0
52.5°	219.3	208.0	190.3	175.0	170.0
55°	203.0	192.4	173.8	158.8	153.5
57.5°	186.4	175.0	157.1	142.4	137.8
60°	170.4	158.8	140.7	126.1	121.1
62.5°	153.5	142.4	124.1	110.8	105.8
65°	137.5	126.1	108.5	95.1	90.1
67.5°	121.4	110.2	93.2	80.6	76.6
70°	105.2	93.8	77.2	66.9	62.9
72.5°	89.2	78.2	62.9	53.6	51.3
75°	73.2	63.2	49.3	42.0	39.6
77.5°	56.9	48.9	37.2	31.7	29.6
80°	43.3	35.3	26.0	23.0	22.3
82.5°	29.9	23.0	17.3	16.2	16.0
85°	18.3	12.3	10.7	10.3	10.0
87.5°	7.7	5.3	5.0	5.0	4.6
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)