

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: P888152

Luminaire Tested: **DPT5-6FO36-37V60-A-XX-UDD\_2700K**

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: P888152  
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: DPT5-6FO36-37V60-A-XX-UDD\_2700K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

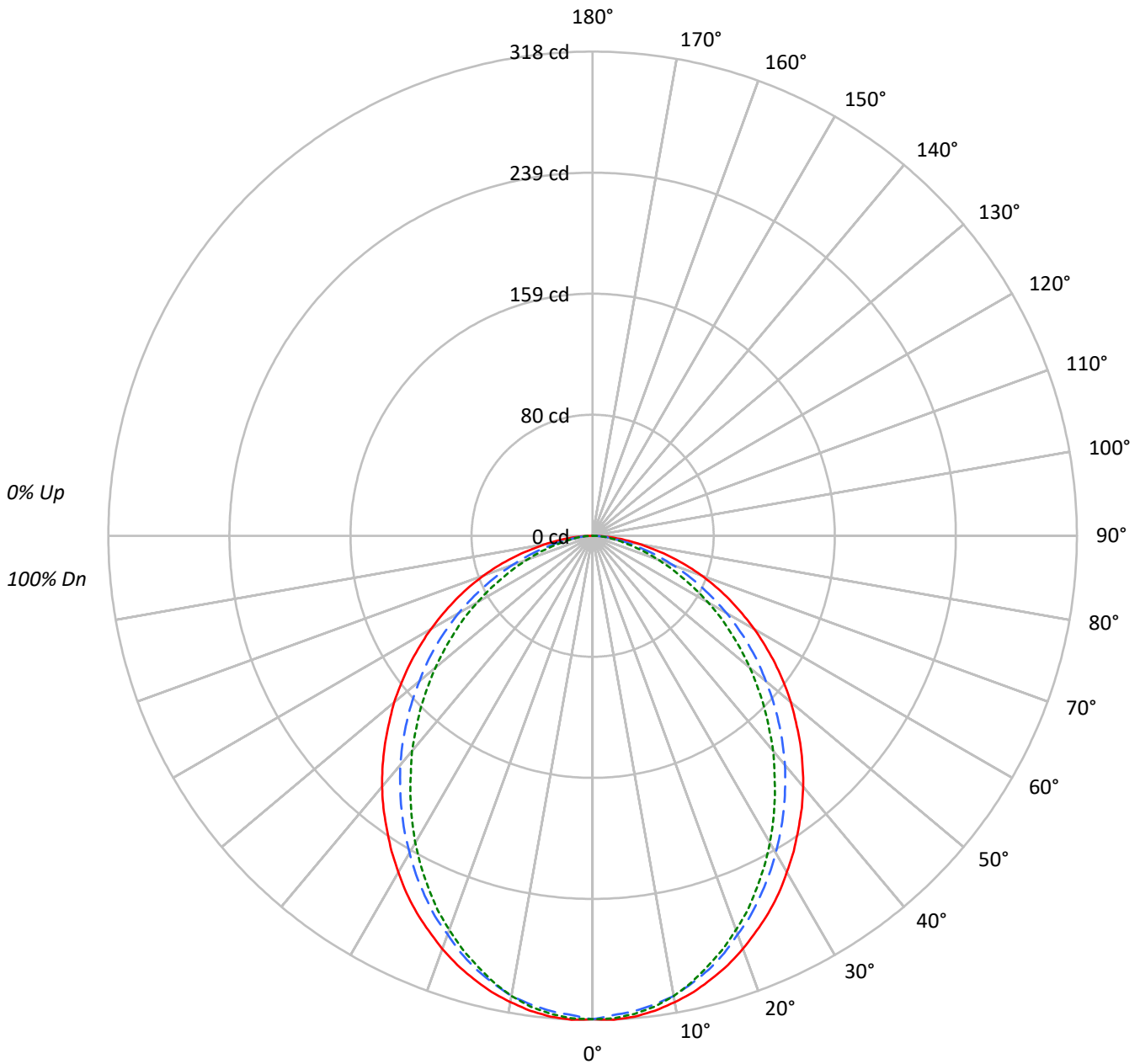
Lumens per Lamp: N/A  
Luminaire Lumens: 750.0 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

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°	3020	3020	3020
5°	3026	2992	3009
10°	3003	2964	2964
15°	2968	2904	2880
20°	2921	2820	2786
25°	2868	2737	2677
30°	2801	2641	2557
35°	2733	2541	2422
40°	2670	2438	2289
45°	2593	2321	2144
50°	2515	2196	1994
55°	2426	2076	1834
60°	2334	1929	1661
65°	2228	1760	1461
70°	2108	1546	1260
75°	1937	1304	1051
80°	1709	1024	882
85°	1440	840	786



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	4.0
10°-20°	83.5	11.1
20°-30°	121.1	16.1
30°-40°	137.9	18.4
40°-50°	134.4	17.9
50°-60°	113.2	15.1
60°-70°	79.3	10.6
70°-80°	40.6	5.4
80°-90°	10.1	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°	234.4	31.3
0°-40°	372.4	49.6
0°-60°	620.0	82.7
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	318	318	318	318	318	
5°	317	316	313	316	315	30
15°	301	300	295	295	292	85
25°	273	270	261	258	255	126
35°	235	230	219	212	209	147
45°	193	186	173	163	159	149
55°	146	139	125	114	111	131
65°	99	91	78	68	65	98
75°	53	46	36	30	29	56
85°	13	9	8	7	7	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	317.5	317.5	317.5	317.5	317.5
2.5°	318.2	317.5	315.1	317.5	317.2
5°	317.0	316.0	313.4	315.7	315.2
7.5°	314.6	313.6	310.5	312.4	311.9
10°	311.0	310.3	306.9	307.6	306.9
12.5°	306.9	305.9	301.1	301.6	300.4
15°	301.4	299.9	294.9	294.6	292.5
17.5°	295.6	293.5	287.4	286.3	284.6
20°	288.6	286.3	278.6	277.4	275.3
22.5°	281.0	278.6	270.5	267.8	266.1
25°	273.3	269.7	260.8	257.7	255.1
27.5°	264.7	260.4	251.0	247.0	244.3
30°	255.1	250.6	240.5	235.0	232.8
32.5°	245.7	240.3	229.9	223.7	220.9
35°	235.4	229.7	218.9	212.0	208.6
37.5°	225.6	218.6	207.6	199.5	196.1
40°	215.1	207.9	196.4	187.2	184.4
42.5°	204.0	196.6	184.6	176.0	171.4
45°	192.8	185.9	172.6	163.0	159.4
47.5°	181.0	173.9	160.6	150.8	146.7
50°	170.0	162.1	148.4	138.4	134.8
52.5°	158.0	149.9	137.1	126.1	122.5
55°	146.3	138.6	125.2	114.4	110.6
57.5°	134.3	126.1	113.2	102.6	99.3
60°	122.7	114.4	101.4	90.9	87.3
62.5°	110.6	102.6	89.4	79.8	76.2
65°	99.0	90.9	78.2	68.5	64.9
67.5°	87.5	79.4	67.1	58.0	55.2
70°	75.8	67.6	55.6	48.2	45.3
72.5°	64.3	56.3	45.3	38.6	37.0
75°	52.7	45.5	35.5	30.2	28.6
77.5°	41.0	35.2	26.8	22.8	21.3
80°	31.2	25.4	18.7	16.5	16.1
82.5°	21.6	16.5	12.5	11.7	11.5
85°	13.2	8.9	7.7	7.4	7.2
87.5°	5.6	3.8	3.6	3.6	3.3
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)