

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: P888154

Luminaire Tested: **DPT5-6FO36-37V60-A-XX-UDD\_3500K**

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: P888154  
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\_3500K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

**Summary**

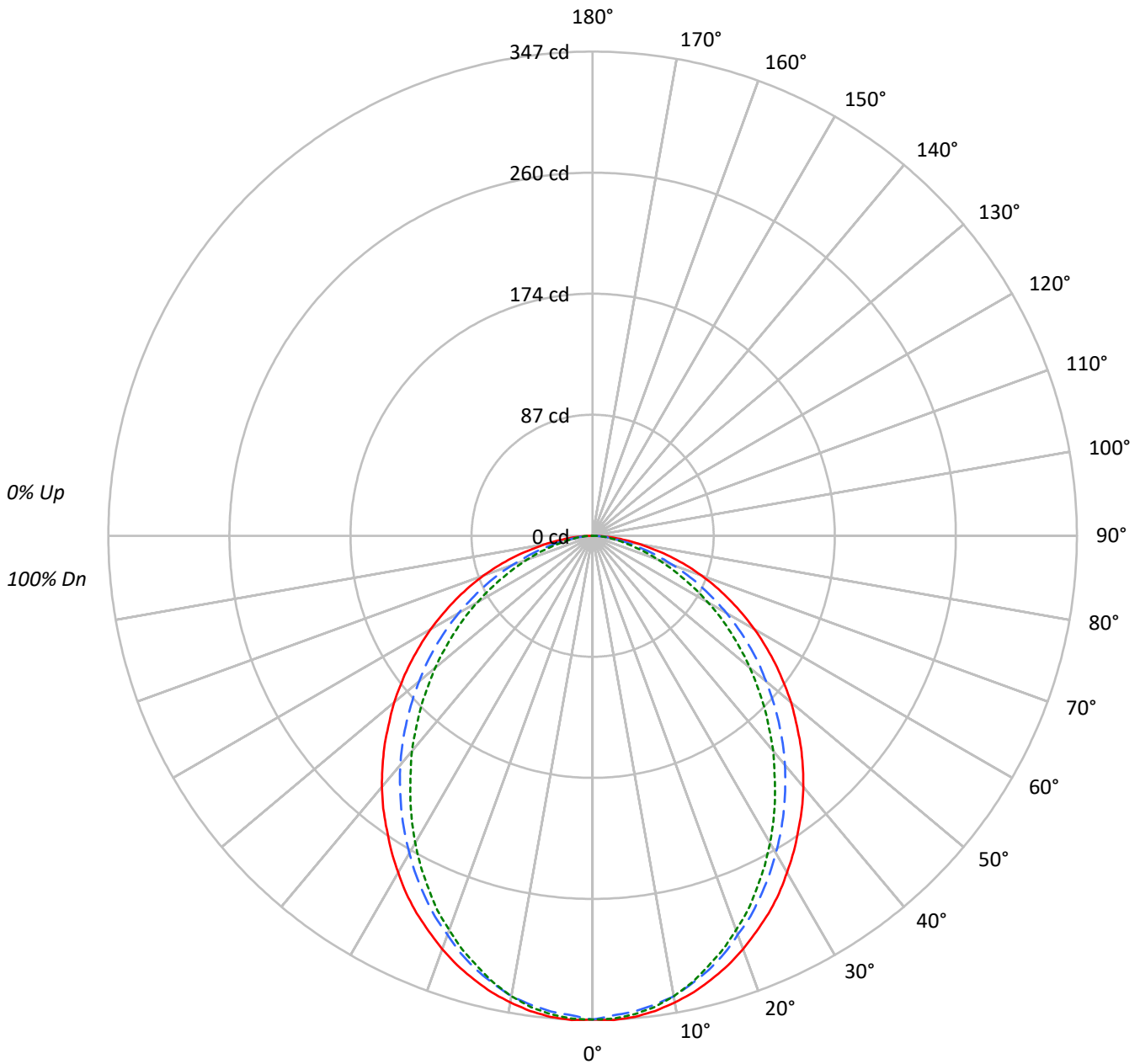
Lumens per Lamp: N/A  
Luminaire Lumens: 819.0 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

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				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°	3297	3297	3297
5°	3304	3267	3286
10°	3280	3236	3236
15°	3240	3170	3145
20°	3190	3079	3042
25°	3131	2989	2924
30°	3060	2884	2792
35°	2985	2775	2645
40°	2916	2662	2500
45°	2831	2535	2342
50°	2746	2398	2178
55°	2648	2267	2001
60°	2549	2106	1813
65°	2435	1922	1596
70°	2302	1688	1376
75°	2117	1426	1146
80°	1862	1117	964
85°	1571	917	862



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.6	4.0
10°-20°	91.2	11.1
20°-30°	132.2	16.1
30°-40°	150.6	18.4
40°-50°	146.8	17.9
50°-60°	123.5	15.1
60°-70°	86.6	10.6
70°-80°	44.4	5.4
80°-90°	11.1	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°	256.0	31.3
0°-40°	406.6	49.6
0°-60°	677.0	82.7
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	346	345	342	345	344	33
15°	329	328	322	322	319	93
25°	298	294	285	281	279	137
35°	257	251	239	232	228	161
45°	210	203	188	178	174	162
55°	160	151	137	125	121	143
65°	108	99	85	75	71	107
75°	58	50	39	33	31	61
85°	14	10	8	8	8	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	346.7	346.7	346.7	346.7	346.7
2.5°	347.4	346.7	344.0	346.7	346.4
5°	346.1	345.1	342.2	344.8	344.2
7.5°	343.5	342.4	339.0	341.1	340.6
10°	339.6	338.8	335.1	335.9	335.1
12.5°	335.1	334.0	328.8	329.3	328.1
15°	329.1	327.5	322.0	321.8	319.4
17.5°	322.8	320.5	313.9	312.6	310.8
20°	315.2	312.6	304.2	302.9	300.6
22.5°	306.8	304.2	295.4	292.5	290.6
25°	298.4	294.5	284.8	281.4	278.6
27.5°	289.1	284.3	274.1	269.7	266.8
30°	278.6	273.6	262.6	256.6	254.2
32.5°	268.3	262.4	251.1	244.3	241.2
35°	257.1	250.8	239.0	231.5	227.8
37.5°	246.4	238.8	226.7	217.9	214.1
40°	234.9	227.0	214.4	204.5	201.4
42.5°	222.8	214.7	201.6	192.2	187.2
45°	210.5	203.0	188.5	178.0	174.1
47.5°	197.6	189.8	175.4	164.7	160.2
50°	185.6	177.0	162.1	151.1	147.2
52.5°	172.5	163.7	149.7	137.7	133.8
55°	159.7	151.3	136.7	124.9	120.7
57.5°	146.6	137.7	123.6	112.0	108.4
60°	134.0	124.9	110.7	99.2	95.3
62.5°	120.7	112.0	97.7	87.2	83.2
65°	108.2	99.2	85.4	74.8	70.9
67.5°	95.5	86.7	73.3	63.4	60.3
70°	82.8	73.8	60.7	52.6	49.5
72.5°	70.2	61.5	49.5	42.2	40.4
75°	57.6	49.7	38.8	33.0	31.2
77.5°	44.7	38.5	29.3	24.9	23.3
80°	34.0	27.8	20.4	18.1	17.6
82.5°	23.6	18.1	13.6	12.8	12.6
85°	14.4	9.7	8.4	8.1	7.9
87.5°	6.1	4.2	3.9	3.9	3.6
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)