

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: P888440

Luminaire Tested: **DPT5-6FO36-61V60-F-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: P888440  
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: DPT5-6FO36-61V60-F-XX-UDD\_3500K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

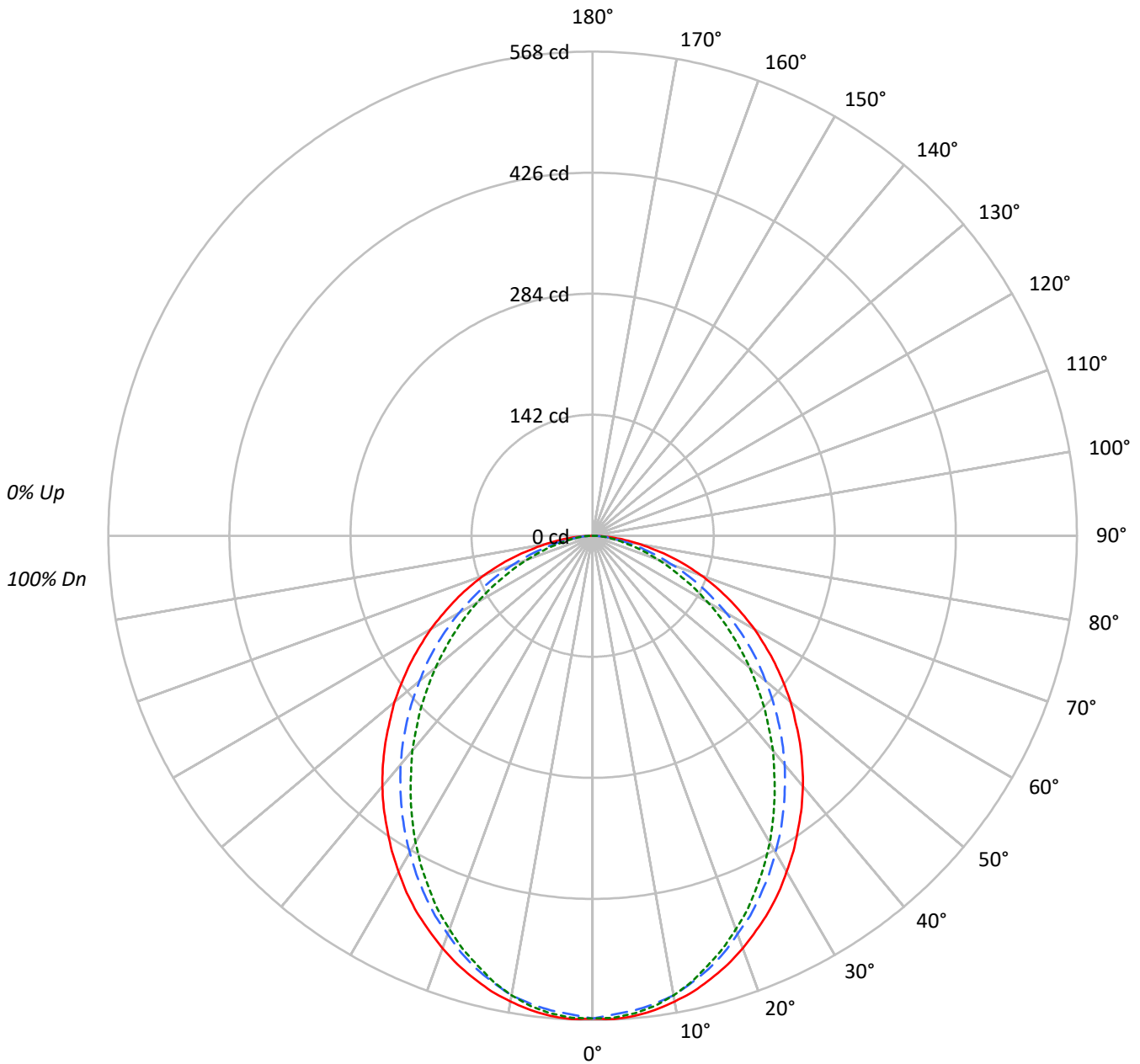
Lumens per Lamp: N/A  
Luminaire Lumens: 1338.0 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.4  
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°	5386	5386	5386
5°	5399	5337	5369
10°	5358	5287	5287
15°	5294	5179	5138
20°	5211	5030	4970
25°	5117	4883	4776
30°	4998	4711	4562
35°	4876	4534	4320
40°	4764	4349	4085
45°	4625	4141	3825
50°	4486	3918	3557
55°	4328	3703	3270
60°	4166	3441	2962
65°	3976	3139	2606
70°	3760	2758	2250
75°	3458	2326	1870
80°	3045	1829	1572
85°	2564	1495	1408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.3	4.0
10°-20°	148.9	11.1
20°-30°	216.0	16.1
30°-40°	246.1	18.4
40°-50°	239.8	17.9
50°-60°	201.8	15.1
60°-70°	141.4	10.6
70°-80°	72.5	5.4
80°-90°	18.1	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°	418.2	31.3
0°-40°	664.3	49.6
0°-60°	1105.9	82.7
0°-90°	1338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1338.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	566	564	559	563	562	54
15°	538	535	526	526	522	152
25°	488	481	465	460	455	224
35°	420	410	390	378	372	263
45°	344	332	308	291	284	265
55°	261	247	223	204	197	233
65°	177	162	140	122	116	175
75°	94	81	63	54	51	99
85°	24	16	14	13	13	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	566.3	566.3	566.3	566.3	566.3
2.5°	567.6	566.3	562.1	566.3	565.9
5°	565.5	563.8	559.0	563.3	562.4
7.5°	561.2	559.4	553.9	557.3	556.5
10°	554.8	553.5	547.5	548.8	547.5
12.5°	547.5	545.7	537.2	538.0	536.0
15°	537.7	535.1	526.0	525.6	521.8
17.5°	527.4	523.6	512.8	510.7	507.7
20°	514.9	510.7	497.0	494.9	491.1
22.5°	501.3	497.0	482.6	477.8	474.7
25°	487.6	481.1	465.3	459.8	455.1
27.5°	472.2	464.5	447.8	440.6	435.9
30°	455.1	447.0	429.0	419.2	415.4
32.5°	438.4	428.6	410.2	399.1	394.0
35°	420.0	409.8	390.5	378.1	372.1
37.5°	402.5	390.0	370.4	355.9	349.8
40°	383.7	370.8	350.3	334.0	329.0
42.5°	363.9	350.7	329.3	314.0	305.8
45°	343.9	331.6	307.9	290.9	284.4
47.5°	322.8	310.2	286.5	269.1	261.8
50°	303.2	289.1	264.8	246.8	240.4
52.5°	281.8	267.4	244.6	224.9	218.5
55°	261.0	247.2	223.3	204.1	197.2
57.5°	239.5	224.9	201.9	183.0	177.1
60°	219.0	204.1	180.9	162.1	155.7
62.5°	197.2	183.0	159.6	142.4	136.0
65°	176.7	162.1	139.5	122.3	115.8
67.5°	156.1	141.6	119.7	103.5	98.5
70°	135.2	120.6	99.2	85.9	80.9
72.5°	114.7	100.5	80.9	68.9	65.9
75°	94.1	81.2	63.3	54.0	50.9
77.5°	73.1	62.8	47.8	40.7	38.1
80°	55.6	45.4	33.4	29.5	28.7
82.5°	38.5	29.5	22.3	20.9	20.5
85°	23.5	15.8	13.7	13.3	12.9
87.5°	9.9	6.8	6.4	6.4	6.0
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)