

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: P888407

Luminaire Tested: **DPT5-6FO36-109V60-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: P888407
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: DPT5-6FO36-109V60-F-XX-UDD_3500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

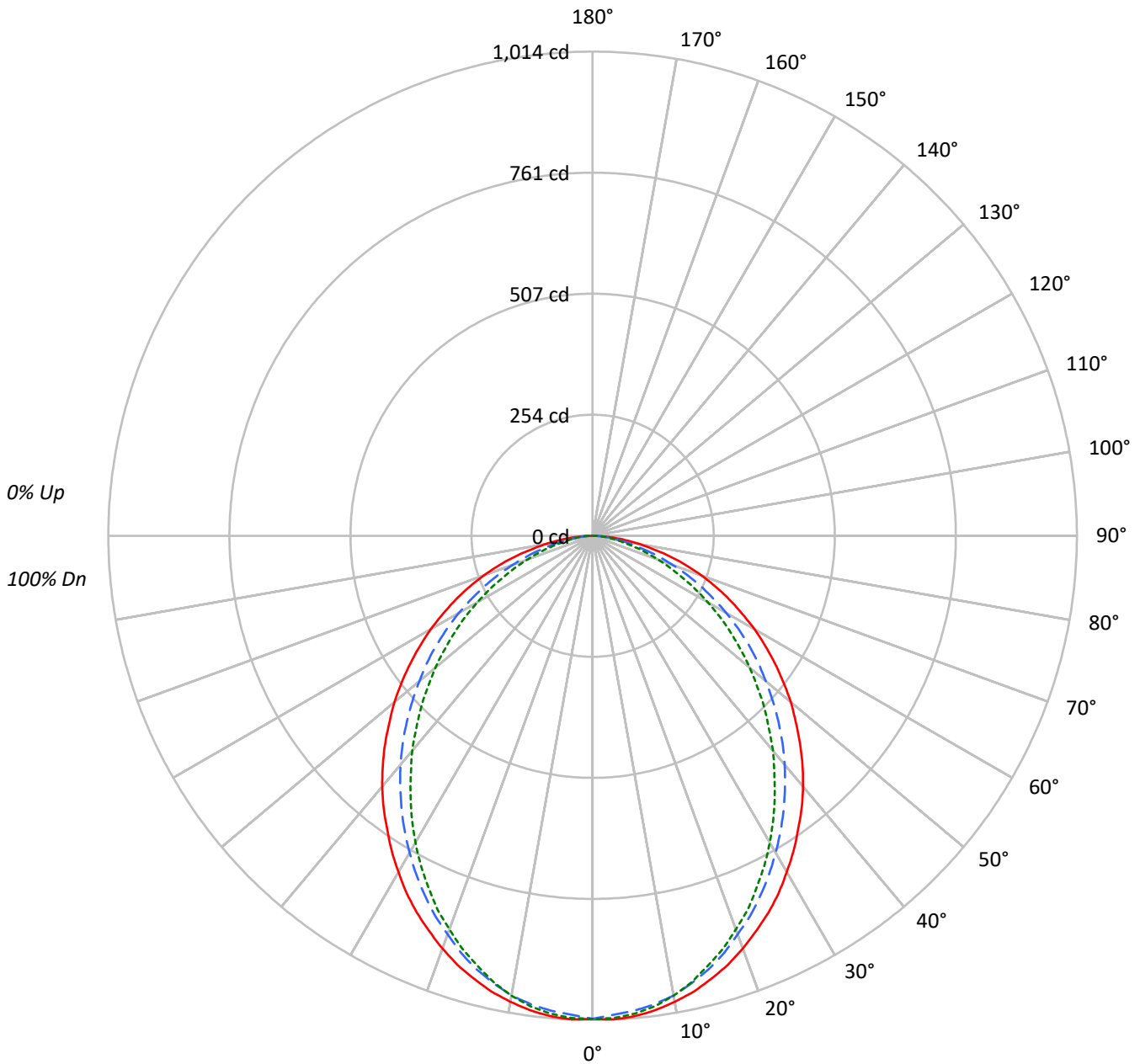
Lumens per Lamp: N/A
Luminaire Lumens: 2390.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	9621	9621	9621
5°	9643	9534	9591
10°	9569	9444	9444
15°	9457	9251	9177
20°	9309	8985	8877
25°	9139	8722	8530
30°	8927	8415	8147
35°	8711	8099	7717
40°	8509	7768	7295
45°	8261	7397	6834
50°	8015	6997	6353
55°	7728	6616	5842
60°	7441	6146	5290
65°	7102	5608	4656
70°	6715	4927	4015
75°	6177	4156	3344
80°	5439	3270	2810
85°	4583	2673	2510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	4.0
10°-20°	266.1	11.1
20°-30°	385.8	16.1
30°-40°	439.5	18.4
40°-50°	428.4	17.9
50°-60°	360.5	15.1
60°-70°	252.6	10.6
70°-80°	129.5	5.4
80°-90°	32.3	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°	747.1	31.3
0°-40°	1186.6	49.6
0°-60°	1975.5	82.7
0°-90°	2390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1010	1007	999	1006	1005	96
15°	960	956	940	939	932	271
25°	871	859	831	821	813	401
35°	750	732	698	676	665	470
45°	614	592	550	520	508	474
55°	466	442	399	364	352	417
65°	316	290	249	218	207	312
75°	168	145	113	96	91	178
85°	42	28	24	24	23	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1011.6	1011.6	1011.6	1011.6	1011.6
2.5°	1013.9	1011.6	1004.0	1011.6	1010.8
5°	1010.1	1007.1	998.6	1006.1	1004.6
7.5°	1002.4	999.3	989.4	995.5	994.1
10°	990.9	988.7	977.9	980.3	977.9
12.5°	977.9	974.8	959.5	961.0	957.4
15°	960.5	955.8	939.6	938.9	932.1
17.5°	942.1	935.2	916.0	912.3	906.9
20°	919.8	912.3	887.8	883.9	877.1
22.5°	895.4	887.8	862.0	853.5	847.9
25°	870.9	859.4	831.2	821.3	812.9
27.5°	843.6	829.7	799.9	787.0	778.6
30°	812.9	798.5	766.3	748.9	741.9
32.5°	783.0	765.6	732.7	712.9	703.8
35°	750.3	732.0	697.6	675.5	664.7
37.5°	719.0	696.7	661.6	635.8	624.9
40°	685.4	662.4	625.7	596.7	587.6
42.5°	650.1	626.4	588.2	560.8	546.2
45°	614.2	592.3	550.0	519.6	508.1
47.5°	576.7	554.0	511.8	480.6	467.6
50°	541.7	516.4	472.9	440.9	429.4
52.5°	503.4	477.6	436.9	401.8	390.3
55°	466.1	441.6	399.0	364.5	352.3
57.5°	427.9	401.8	360.7	327.0	316.3
60°	391.2	364.5	323.1	289.5	278.1
62.5°	352.3	327.0	285.0	254.4	242.9
65°	315.6	289.5	249.2	218.4	206.9
67.5°	278.8	253.0	213.9	185.0	175.9
70°	241.5	215.4	177.2	153.5	144.4
72.5°	204.8	179.6	144.4	123.0	117.8
75°	168.1	145.1	113.1	96.4	91.0
77.5°	130.5	112.2	85.5	72.7	68.0
80°	99.3	81.1	59.7	52.7	51.3
82.5°	68.7	52.7	39.8	37.3	36.7
85°	42.0	28.2	24.5	23.7	23.0
87.5°	17.7	12.2	11.5	11.5	10.6
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)