

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: P888406

Luminaire Tested: **DPT5-6FO36-109V60-F-XX-UDD_3000K**

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: P888406
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_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

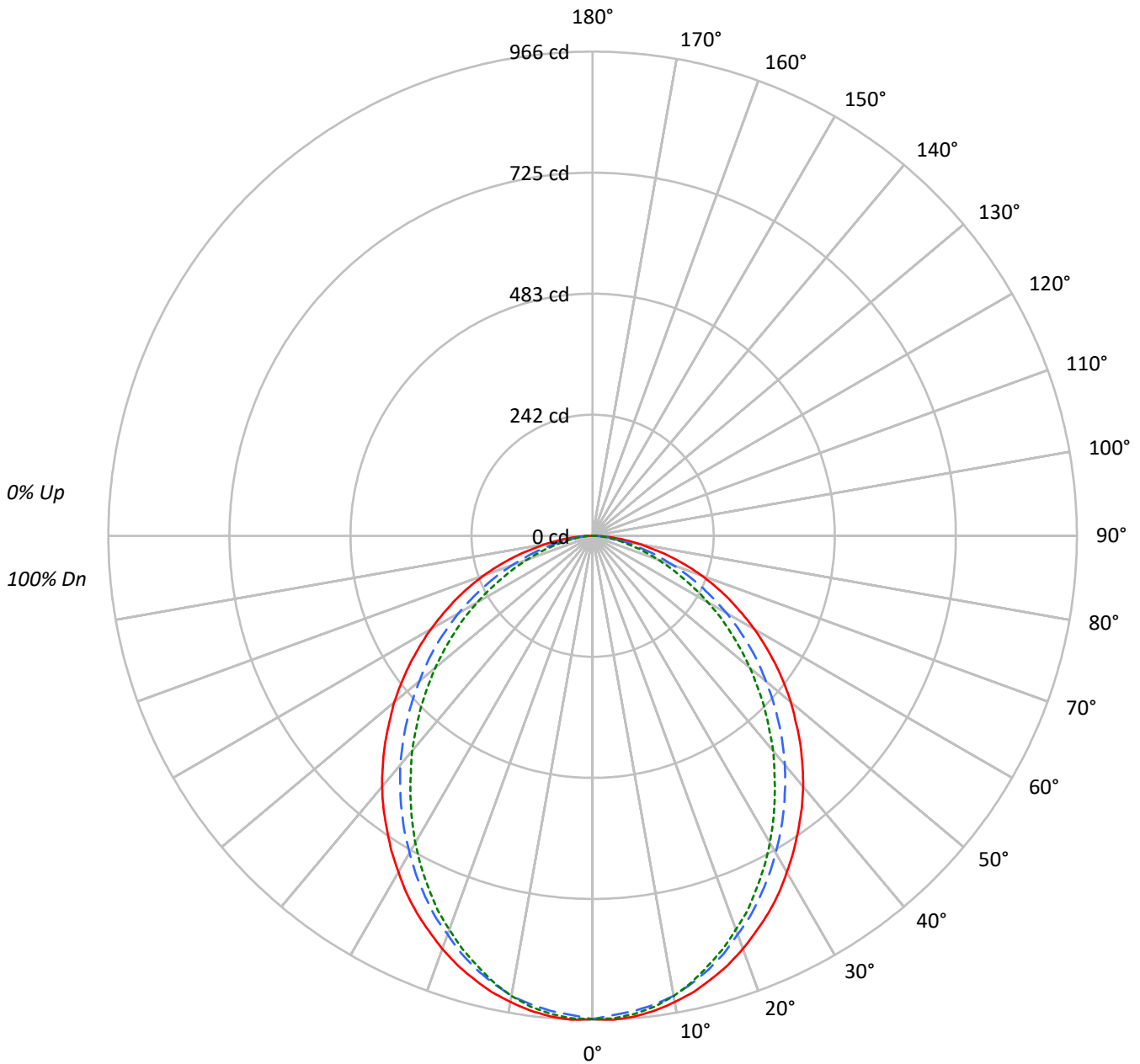
Lumens per Lamp: N/A
Luminaire Lumens: 2278.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	9170	9170	9170
5°	9191	9087	9141
10°	9121	9002	9002
15°	9014	8818	8747
20°	8873	8564	8461
25°	8711	8314	8131
30°	8509	8021	7766
35°	8302	7720	7355
40°	8111	7404	6954
45°	7875	7052	6514
50°	7639	6670	6056
55°	7367	6306	5568
60°	7091	5858	5041
65°	6769	5345	4438
70°	6401	4697	3829
75°	5887	3961	3186
80°	5187	3116	2678
85°	4365	2553	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	4.0
10°-20°	253.6	11.1
20°-30°	367.7	16.1
30°-40°	418.9	18.4
40°-50°	408.3	17.9
50°-60°	343.6	15.1
60°-70°	240.8	10.6
70°-80°	123.5	5.4
80°-90°	30.8	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°	712.0	31.3
0°-40°	1131.0	49.6
0°-60°	1882.9	82.7
0°-90°	2278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	963	960	952	959	958	91
15°	916	911	896	895	888	258
25°	830	819	792	783	775	382
35°	715	698	665	644	634	448
45°	586	564	524	495	484	452
55°	444	421	380	347	336	397
65°	301	276	238	208	197	298
75°	160	138	108	92	87	169
85°	40	27	23	23	22	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.2	964.2	964.2	964.2	964.2
2.5°	966.4	964.2	956.9	964.2	963.4
5°	962.7	959.9	951.8	959.0	957.5
7.5°	955.5	952.5	943.0	948.8	947.5
10°	944.5	942.3	932.1	934.4	932.1
12.5°	932.1	929.1	914.5	916.0	912.5
15°	915.5	911.0	895.6	894.9	888.4
17.5°	897.9	891.4	873.0	869.5	864.4
20°	876.7	869.5	846.2	842.5	836.0
22.5°	853.5	846.2	821.6	813.5	808.2
25°	830.1	819.2	792.3	782.8	774.8
27.5°	804.0	790.8	762.4	750.1	742.2
30°	774.8	761.1	730.4	713.8	707.2
32.5°	746.3	729.7	698.4	679.5	670.8
35°	715.1	697.7	664.9	643.8	633.5
37.5°	685.3	664.1	630.6	606.0	595.6
40°	653.3	631.4	596.4	568.7	560.1
42.5°	619.6	597.1	560.6	534.5	520.6
45°	585.5	564.5	524.3	495.2	484.3
47.5°	549.7	528.0	487.8	458.1	445.6
50°	516.3	492.2	450.8	420.2	409.3
52.5°	479.8	455.2	416.5	383.0	372.0
55°	444.3	420.9	380.3	347.4	335.8
57.5°	407.8	383.0	343.8	311.6	301.5
60°	372.8	347.4	308.0	276.0	265.0
62.5°	335.8	311.6	271.7	242.5	231.5
65°	300.8	276.0	237.5	208.2	197.2
67.5°	265.7	241.1	203.8	176.3	167.6
70°	230.2	205.3	168.9	146.3	137.7
72.5°	195.2	171.2	137.7	117.3	112.3
75°	160.2	138.3	107.8	91.9	86.7
77.5°	124.4	107.0	81.5	69.3	64.8
80°	94.7	77.3	56.9	50.3	48.9
82.5°	65.5	50.3	38.0	35.5	35.0
85°	40.0	26.9	23.4	22.6	21.9
87.5°	16.9	11.6	10.9	10.9	10.1
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)