

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: P888405

Luminaire Tested: **DPT5-6FO36-109V60-F-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: P888405
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_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

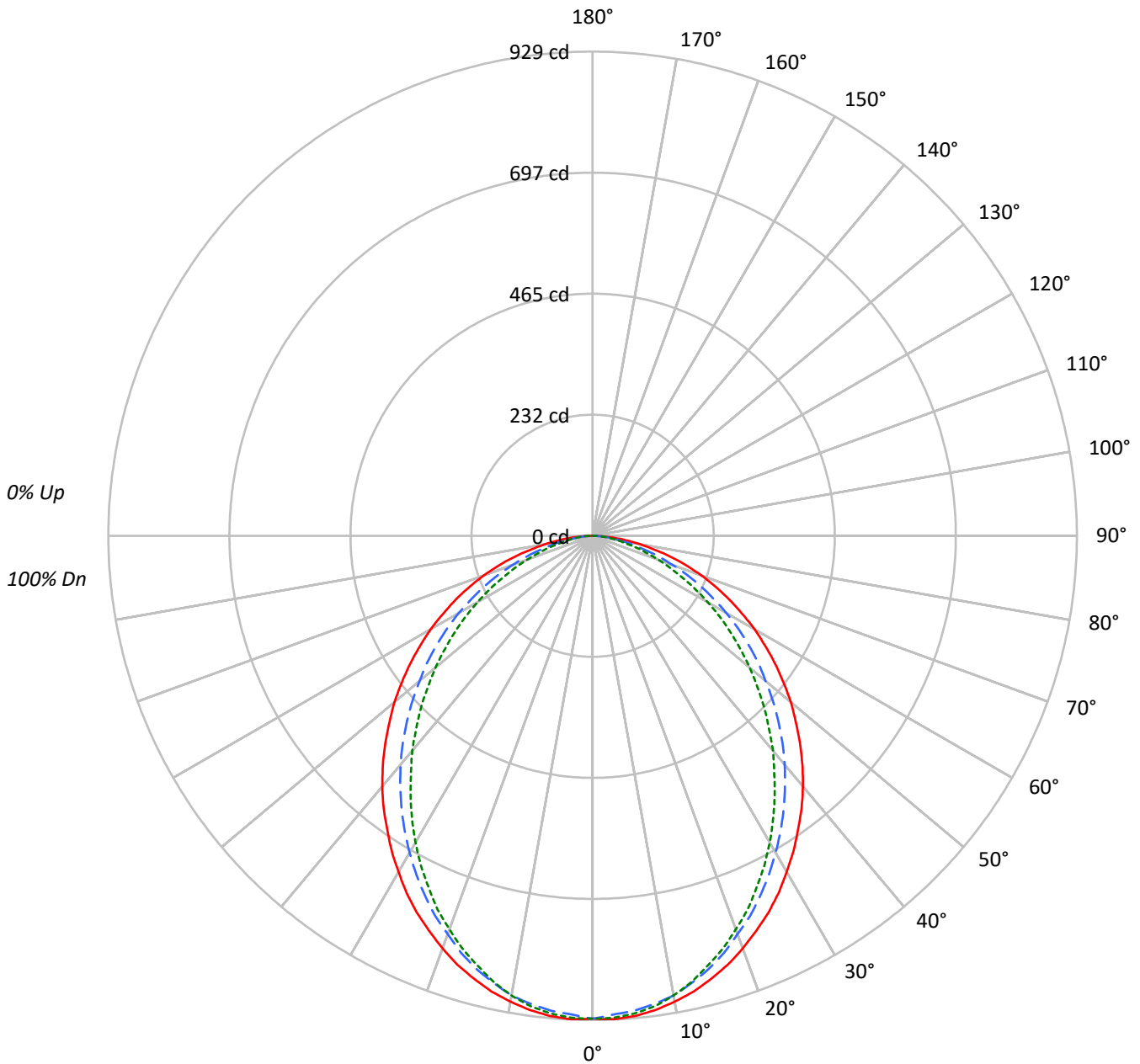
Lumens per Lamp: N/A
Luminaire Lumens: 2189.0 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	8812	8812	8812
5°	8832	8732	8784
10°	8765	8650	8650
15°	8662	8474	8406
20°	8526	8229	8131
25°	8371	7989	7814
30°	8177	7708	7462
35°	7979	7418	7068
40°	7793	7115	6682
45°	7567	6776	6260
50°	7340	6410	5819
55°	7078	6059	5351
60°	6815	5630	4845
65°	6506	5135	4264
70°	6151	4513	3679
75°	5659	3807	3061
80°	4984	2990	2574
85°	4190	2455	2292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	4.0
10°-20°	243.7	11.1
20°-30°	353.3	16.1
30°-40°	402.6	18.4
40°-50°	392.4	17.9
50°-60°	330.2	15.1
60°-70°	231.4	10.6
70°-80°	118.7	5.4
80°-90°	29.6	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°	684.2	31.3
0°-40°	1086.8	49.6
0°-60°	1809.4	82.7
0°-90°	2189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	927	927	927	927	927	
5°	925	922	915	922	920	88
15°	880	875	861	860	854	248
25°	798	787	761	752	745	367
35°	687	670	639	619	609	430
45°	563	542	504	476	465	434
55°	427	404	365	334	323	382
65°	289	265	228	200	190	286
75°	154	133	104	88	83	163
85°	38	26	22	22	21	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.6	926.6	926.6	926.6	926.6
2.5°	928.6	926.6	919.5	926.6	925.8
5°	925.1	922.4	914.6	921.5	920.1
7.5°	918.1	915.3	906.2	911.8	910.5
10°	907.6	905.5	895.7	897.9	895.7
12.5°	895.7	892.8	878.8	880.2	876.8
15°	879.7	875.4	860.6	860.0	853.7
17.5°	862.8	856.6	838.9	835.6	830.6
20°	842.4	835.6	813.1	809.6	803.4
22.5°	820.1	813.1	789.5	781.7	776.6
25°	797.7	787.1	761.3	752.2	744.6
27.5°	772.6	759.9	732.6	720.8	713.2
30°	744.6	731.3	701.9	685.9	679.5
32.5°	717.2	701.2	671.1	652.9	644.6
35°	687.2	670.5	638.9	618.7	608.8
37.5°	658.5	638.1	605.9	582.3	572.3
40°	627.7	606.7	573.1	546.5	538.2
42.5°	595.4	573.7	538.7	513.6	500.3
45°	562.6	542.5	503.8	475.9	465.4
47.5°	528.2	507.4	468.7	440.2	428.2
50°	496.1	473.0	433.2	403.8	393.3
52.5°	461.1	437.4	400.2	368.0	357.5
55°	426.9	404.5	365.4	333.9	322.7
57.5°	391.9	368.0	330.4	299.5	289.7
60°	358.3	333.9	296.0	265.2	254.7
62.5°	322.7	299.5	261.0	233.0	222.5
65°	289.1	265.2	228.2	200.0	189.5
67.5°	255.3	231.7	195.9	169.4	161.1
70°	221.2	197.3	162.3	140.6	132.3
72.5°	187.6	164.5	132.3	112.7	107.9
75°	154.0	132.9	103.6	88.3	83.3
77.5°	119.6	102.8	78.3	66.6	62.3
80°	91.0	74.2	54.6	48.3	47.0
82.5°	63.0	48.3	36.5	34.1	33.6
85°	38.4	25.8	22.5	21.7	21.0
87.5°	16.2	11.2	10.5	10.5	9.7
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)