

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: P888169

Luminaire Tested: **DPT5-6FO36-61V60-A-XX-UDD_6500K**

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: P888169
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-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

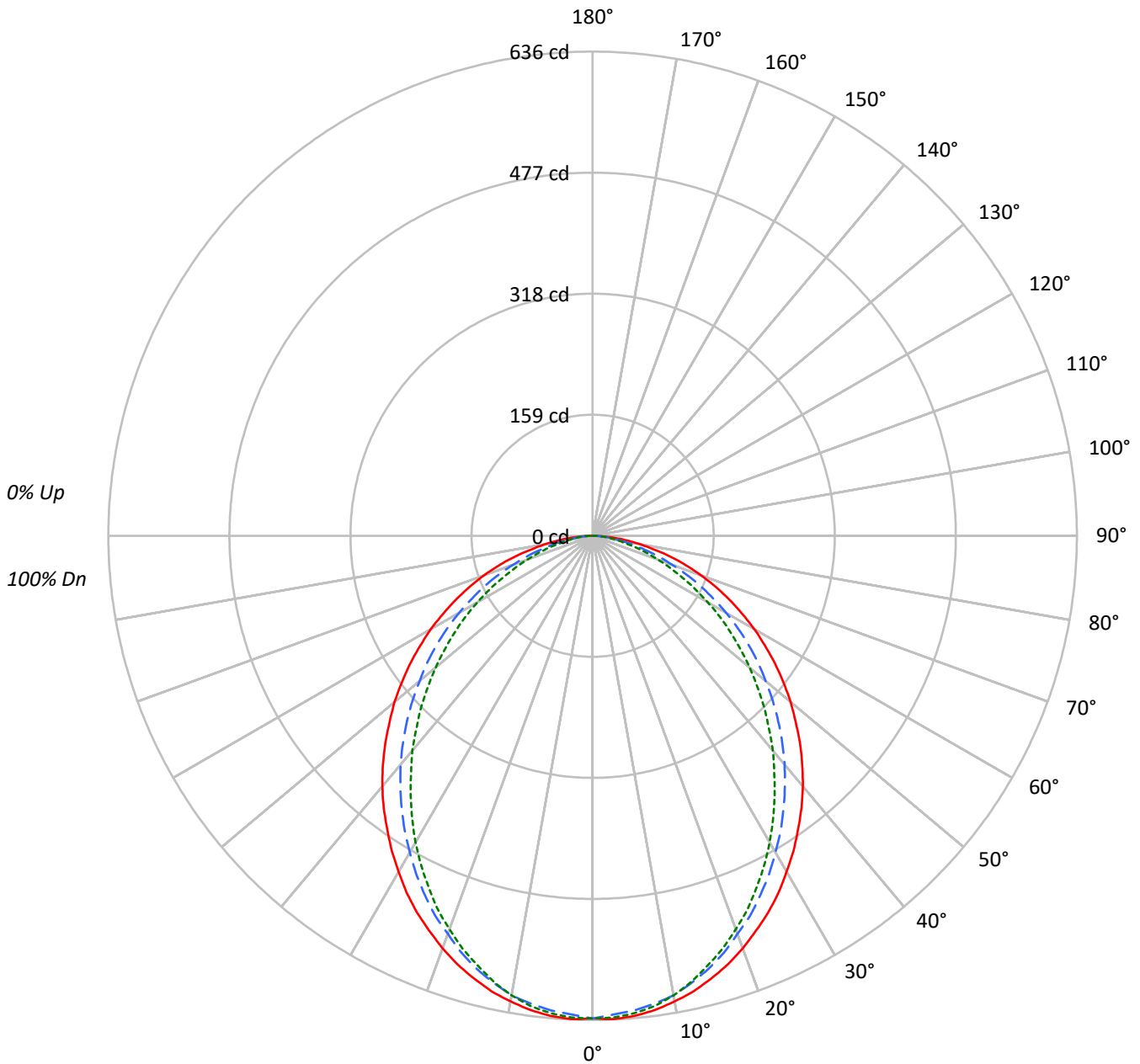
Lumens per Lamp: N/A
Luminaire Lumens: 1498.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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°	6031	6031	6031
5°	6044	5975	6011
10°	5998	5919	5919
15°	5927	5798	5752
20°	5835	5631	5564
25°	5729	5467	5347
30°	5595	5275	5107
35°	5460	5076	4837
40°	5334	4869	4572
45°	5178	4638	4284
50°	5023	4385	3983
55°	4845	4147	3661
60°	4664	3852	3315
65°	4451	3515	2919
70°	4210	3087	2517
75°	3873	2605	2095
80°	3412	2048	1764
85°	2870	1680	1571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	4.0
10°-20°	166.8	11.1
20°-30°	241.8	16.1
30°-40°	275.5	18.4
40°-50°	268.5	17.9
50°-60°	226.0	15.1
60°-70°	158.3	10.6
70°-80°	81.2	5.4
80°-90°	20.3	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°	468.2	31.3
0°-40°	743.7	49.6
0°-60°	1238.2	82.7
0°-90°	1498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	633	631	626	631	630	60
15°	602	599	589	588	584	170
25°	546	539	521	515	510	251
35°	470	459	437	423	417	294
45°	385	371	345	326	318	297
55°	292	277	250	228	221	261
65°	198	182	156	137	130	196
75°	105	91	71	60	57	111
85°	26	18	15	15	14	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.1	634.1	634.1	634.1	634.1
2.5°	635.5	634.1	629.3	634.1	633.5
5°	633.1	631.2	625.9	630.6	629.6
7.5°	628.3	626.3	620.1	623.9	623.1
10°	621.1	619.7	612.9	614.4	612.9
12.5°	612.9	611.0	601.4	602.4	600.1
15°	602.0	599.1	588.9	588.5	584.2
17.5°	590.5	586.2	574.1	571.8	568.4
20°	576.5	571.8	556.4	554.0	549.8
22.5°	561.2	556.4	540.3	534.9	531.5
25°	545.9	538.7	521.0	514.8	509.5
27.5°	528.7	520.0	501.4	493.3	488.0
30°	509.5	500.5	480.3	469.4	465.0
32.5°	490.8	479.9	459.3	446.8	441.1
35°	470.3	458.8	437.2	423.4	416.6
37.5°	450.6	436.7	414.7	398.5	391.7
40°	429.6	415.2	392.2	374.0	368.3
42.5°	407.5	392.6	368.6	351.5	342.4
45°	385.0	371.2	344.8	325.7	318.5
47.5°	361.5	347.2	320.8	301.2	293.1
50°	339.5	323.7	296.4	276.4	269.2
52.5°	315.5	299.4	273.9	251.8	244.6
55°	292.2	276.8	250.1	228.5	220.8
57.5°	268.2	251.8	226.1	204.9	198.3
60°	245.2	228.5	202.5	181.5	174.3
62.5°	220.8	204.9	178.6	159.5	152.3
65°	197.8	181.5	156.2	136.9	129.7
67.5°	174.7	158.6	134.0	115.9	110.2
70°	151.4	135.0	111.0	96.2	90.5
72.5°	128.4	112.5	90.5	77.1	73.8
75°	105.4	91.0	70.9	60.4	57.0
77.5°	81.8	70.4	53.6	45.6	42.6
80°	62.3	50.8	37.4	33.0	32.2
82.5°	43.1	33.0	25.0	23.4	23.0
85°	26.3	17.7	15.4	14.8	14.4
87.5°	11.1	7.6	7.2	7.2	6.7
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)