

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: P888496

Luminaire Tested: **DPT5-6FO44-61V60-F-XX-UDD_4000K**

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: P888496
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: DPT5-6FO44-61V60-F-XX-UDD_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

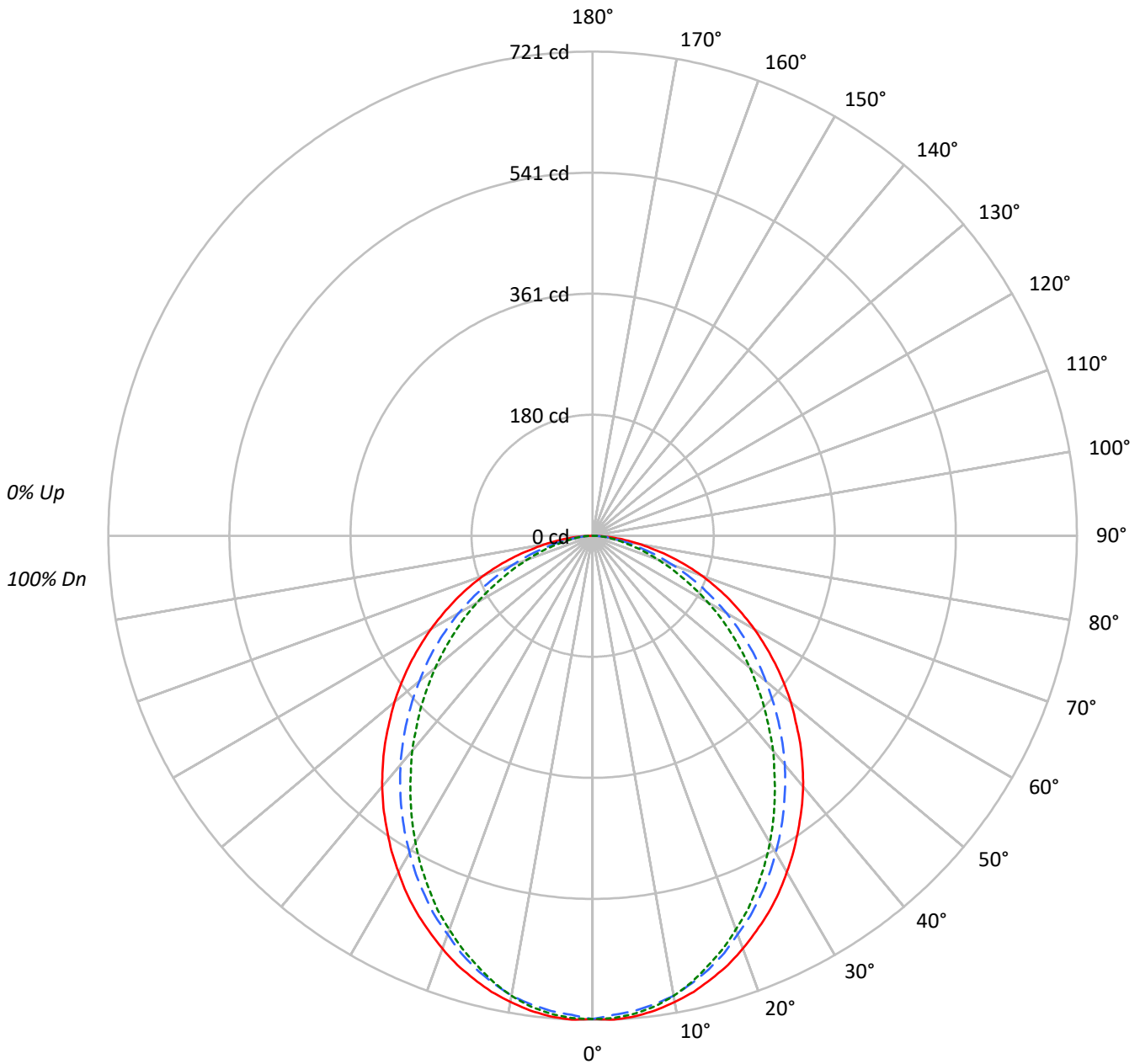
Lumens per Lamp: N/A
Luminaire Lumens: 1700.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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

TEST NUMBER: P888496

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P888496

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_4000K

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°	5563	5563	5563
5°	5576	5512	5545
10°	5534	5460	5460
15°	5468	5350	5306
20°	5383	5195	5133
25°	5284	5043	4932
30°	5161	4866	4711
35°	5037	4683	4462
40°	4920	4492	4218
45°	4777	4277	3951
50°	4634	4046	3674
55°	4469	3825	3378
60°	4301	3553	3058
65°	4107	3241	2693
70°	3883	2848	2321
75°	3572	2402	1933
80°	3148	1888	1625
85°	2643	1543	1446



TEST NUMBER: P888496

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	4.0
10°-20°	189.2	11.1
20°-30°	274.4	16.1
30°-40°	312.6	18.4
40°-50°	304.7	17.9
50°-60°	256.5	15.1
60°-70°	179.7	10.6
70°-80°	92.1	5.4
80°-90°	23.0	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°	531.4	31.3
0°-40°	844.0	49.6
0°-60°	1405.2	82.7
0°-90°	1700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	718	716	710	716	714	68
15°	683	680	668	668	663	193
25°	620	611	591	584	578	285
35°	534	521	496	480	473	334
45°	437	421	391	370	361	337
55°	332	314	284	259	251	296
65°	224	206	177	155	147	222
75°	120	103	80	69	65	126
85°	30	20	17	17	16	34
90°	0	0	0	0	0	



TEST NUMBER: P888496

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.6	719.6	719.6	719.6	719.6
2.5°	721.2	719.6	714.1	719.6	719.0
5°	718.5	716.3	710.3	715.6	714.5
7.5°	713.0	710.8	703.7	708.1	707.1
10°	704.9	703.2	695.6	697.3	695.6
12.5°	695.6	693.4	682.5	683.6	681.0
15°	683.2	679.9	668.4	667.9	663.0
17.5°	670.1	665.2	651.5	648.9	645.1
20°	654.3	648.9	631.5	628.7	623.9
22.5°	636.9	631.5	613.1	607.1	603.1
25°	619.5	611.3	591.2	584.2	578.2
27.5°	600.0	590.1	569.0	559.8	553.8
30°	578.2	568.0	545.1	532.7	527.7
32.5°	557.0	544.6	521.2	507.1	500.6
35°	533.7	520.7	496.2	480.5	472.8
37.5°	511.4	495.6	470.6	452.2	444.5
40°	487.5	471.2	445.1	424.4	418.0
42.5°	462.4	445.6	418.4	398.9	388.5
45°	436.9	421.3	391.2	369.6	361.4
47.5°	410.2	394.1	364.0	341.8	332.6
50°	385.3	367.3	336.4	313.6	305.5
52.5°	358.1	339.7	310.8	285.8	277.6
55°	331.6	314.1	283.8	259.3	250.6
57.5°	304.3	285.8	256.6	232.6	225.0
60°	278.2	259.3	229.8	206.0	197.8
62.5°	250.6	232.6	202.7	181.0	172.8
65°	224.5	206.0	177.2	155.3	147.2
67.5°	198.3	179.9	152.1	131.6	125.1
70°	171.8	153.2	126.0	109.2	102.7
72.5°	145.7	127.7	102.7	87.5	83.8
75°	119.6	103.2	80.4	68.6	64.7
77.5°	92.8	79.8	60.8	51.7	48.4
80°	70.7	57.7	42.4	37.5	36.5
82.5°	48.9	37.5	28.3	26.5	26.1
85°	29.8	20.1	17.4	16.8	16.3
87.5°	12.6	8.7	8.2	8.2	7.6
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)