

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: P888493

Luminaire Tested: **DPT5-6FO44-61V60-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: P888493
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_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

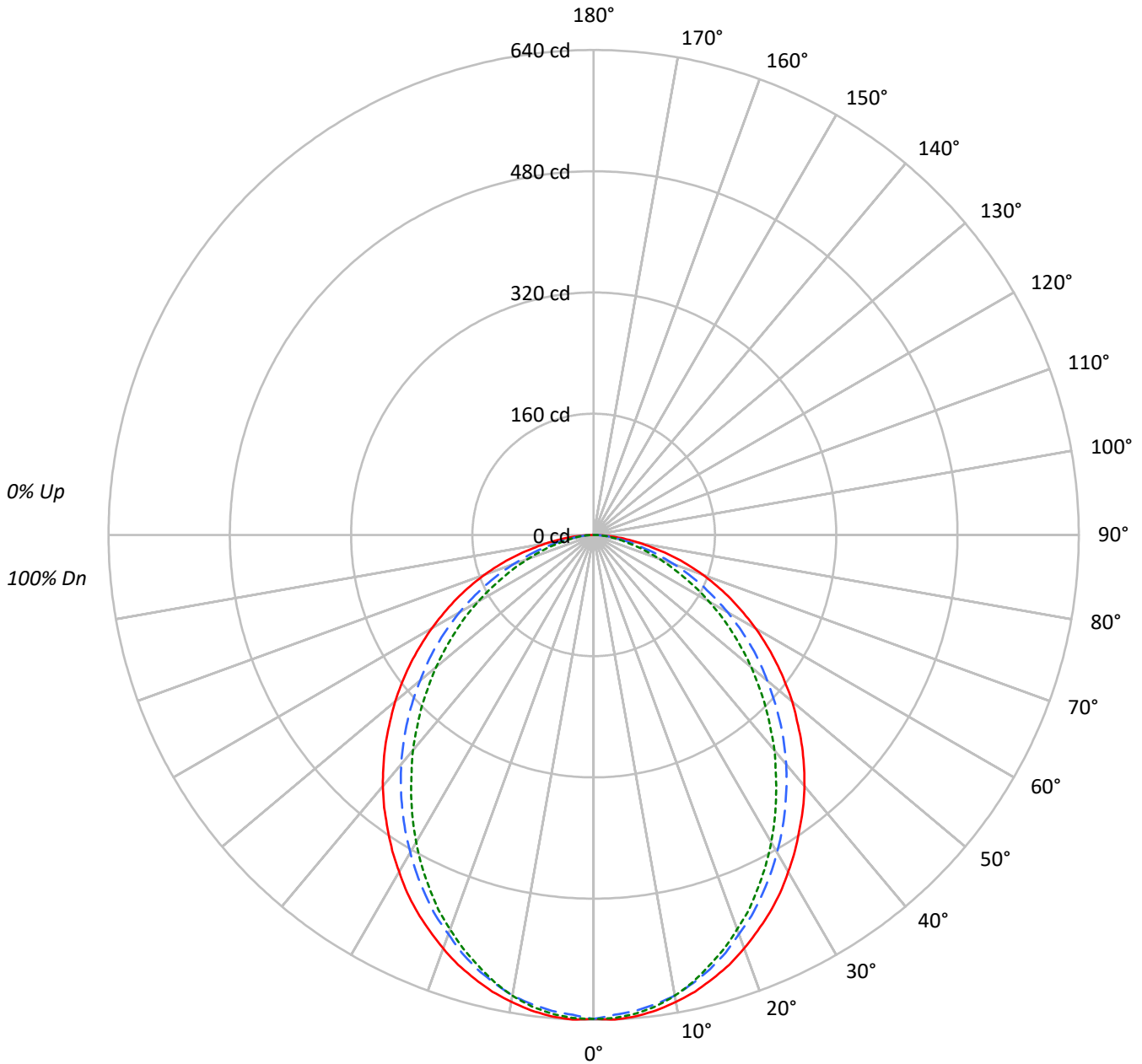
Lumens per Lamp: N/A
Luminaire Lumens: 1509.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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: P888493

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P888493

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	4938	4938	4938
5°	4949	4893	4922
10°	4912	4847	4847
15°	4853	4748	4710
20°	4777	4611	4556
25°	4691	4477	4378
30°	4582	4319	4181
35°	4471	4156	3961
40°	4367	3987	3744
45°	4240	3797	3507
50°	4113	3591	3261
55°	3967	3395	2999
60°	3819	3154	2715
65°	3646	2877	2389
70°	3447	2529	2061
75°	3169	2133	1715
80°	2791	1678	1442
85°	2351	1375	1286



TEST NUMBER: P888493

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	4.0
10°-20°	168.0	11.1
20°-30°	243.6	16.1
30°-40°	277.5	18.4
40°-50°	270.5	17.9
50°-60°	227.6	15.1
60°-70°	159.5	10.6
70°-80°	81.8	5.4
80°-90°	20.4	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°	471.7	31.3
0°-40°	749.2	49.6
0°-60°	1247.3	82.7
0°-90°	1509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	639	639	639	639	639	
5°	638	636	630	635	634	60
15°	606	604	593	593	588	171
25°	550	543	525	519	513	253
35°	474	462	440	426	420	297
45°	388	374	347	328	321	299
55°	294	279	252	230	222	263
65°	199	183	157	138	131	197
75°	106	92	71	61	57	112
85°	26	18	16	15	14	31
90°	0	0	0	0	0	



TEST NUMBER: P888493

CATALOG NUMBER: DPT5-6FO44-61V60-F-XX-UDD_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	638.7	638.7	638.7	638.7	638.7
2.5°	640.2	638.7	633.9	638.7	638.2
5°	637.7	635.9	630.5	635.2	634.3
7.5°	632.9	630.9	624.7	628.5	627.6
10°	625.7	624.2	617.4	619.0	617.4
12.5°	617.4	615.5	605.8	606.8	604.5
15°	606.4	603.5	593.3	592.8	588.5
17.5°	594.8	590.5	578.3	576.0	572.6
20°	580.7	576.0	560.5	558.1	553.8
22.5°	565.4	560.5	544.2	538.9	535.4
25°	549.9	542.6	524.8	518.6	513.3
27.5°	532.6	523.8	505.0	496.9	491.6
30°	513.3	504.1	483.8	472.8	468.4
32.5°	494.4	483.4	462.6	450.1	444.4
35°	473.7	462.2	440.4	426.5	419.7
37.5°	453.9	439.9	417.7	401.4	394.5
40°	432.7	418.2	395.1	376.7	371.0
42.5°	410.5	395.5	371.4	354.1	344.9
45°	387.8	373.9	347.3	328.0	320.8
47.5°	364.1	349.8	323.1	303.4	295.2
50°	342.0	326.1	298.6	278.4	271.1
52.5°	317.8	301.6	275.9	253.7	246.4
55°	294.3	278.8	251.9	230.2	222.5
57.5°	270.1	253.7	227.7	206.4	199.7
60°	247.0	230.2	204.0	182.8	175.6
62.5°	222.5	206.4	180.0	160.6	153.4
65°	199.3	182.8	157.3	137.9	130.6
67.5°	176.0	159.7	135.0	116.8	111.0
70°	152.5	136.0	111.9	96.9	91.2
72.5°	129.3	113.4	91.2	77.7	74.4
75°	106.1	91.6	71.4	60.8	57.4
77.5°	82.4	70.9	54.0	45.9	43.0
80°	62.7	51.2	37.7	33.3	32.4
82.5°	43.4	33.3	25.1	23.5	23.2
85°	26.5	17.8	15.5	14.9	14.5
87.5°	11.2	7.7	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)