

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: P888553

Luminaire Tested: **DPT5-6FO55-61V60-F-XX-UDD_5000K**

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: P888553
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: DPT5-6FO55-61V60-F-XX-UDD_5000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

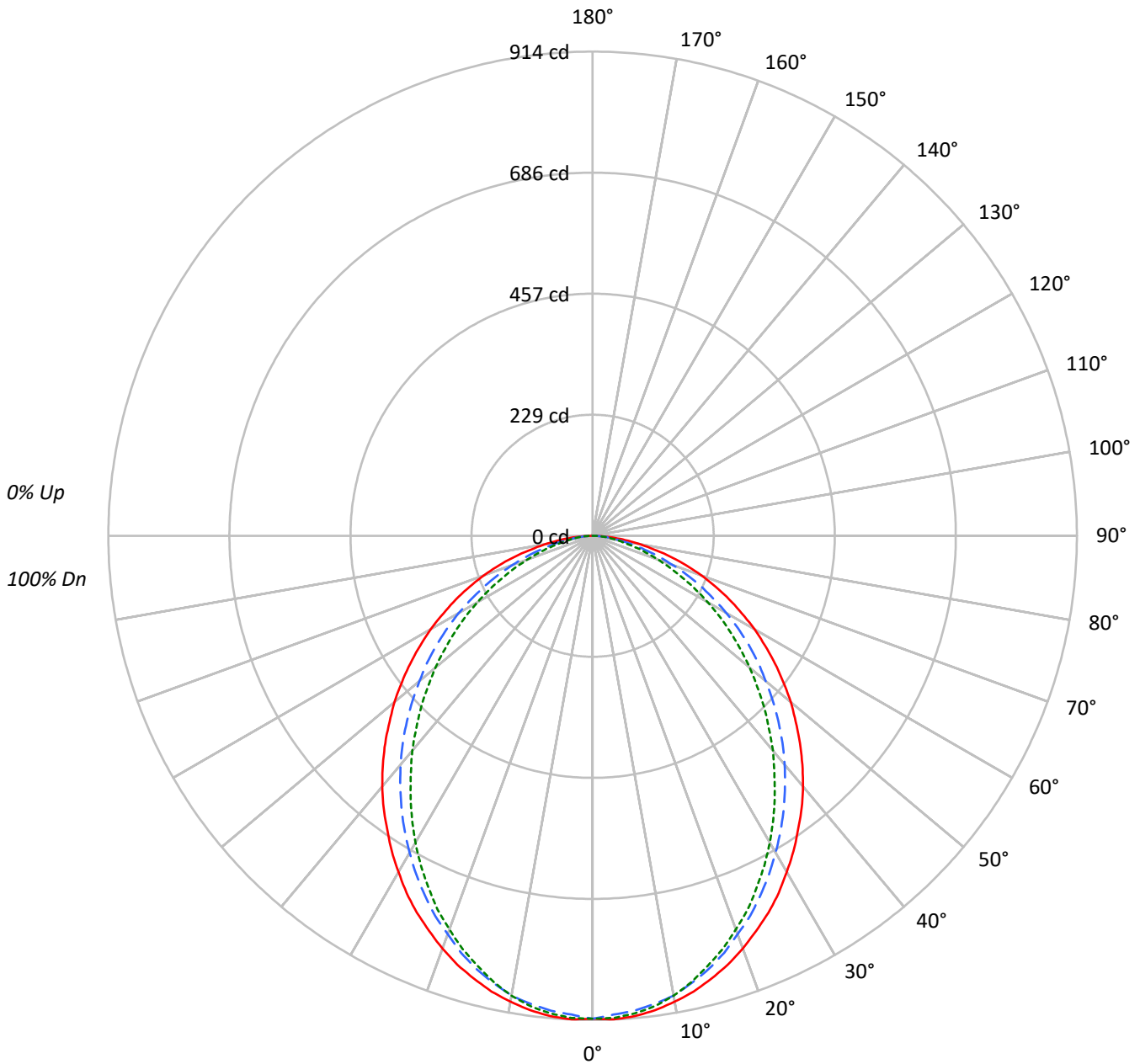
Lumens per Lamp: N/A
Luminaire Lumens: 2154.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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: P888553

CATALOG NUMBER: DPT5-6FO55-61V60-F-XX-UDD_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P888553

CATALOG NUMBER: DPT5-6FO55-61V60-F-XX-UDD_5000K

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°	5822	5822	5822
5°	5836	5770	5804
10°	5792	5715	5715
15°	5723	5599	5554
20°	5634	5438	5372
25°	5531	5279	5163
30°	5403	5093	4931
35°	5272	4901	4671
40°	5150	4701	4415
45°	5000	4477	4136
50°	4850	4234	3845
55°	4677	4004	3535
60°	4502	3719	3201
65°	4299	3394	2818
70°	4065	2982	2431
75°	3738	2514	2023
80°	3292	1979	1699
85°	2770	1619	1517



TEST NUMBER: P888553

CATALOG NUMBER: DPT5-6FO55-61V60-F-XX-UDD_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	4.0
10°-20°	239.8	11.1
20°-30°	347.7	16.1
30°-40°	396.1	18.4
40°-50°	386.1	17.9
50°-60°	324.9	15.1
60°-70°	227.7	10.6
70°-80°	116.7	5.4
80°-90°	29.1	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°	673.3	31.3
0°-40°	1069.4	49.6
0°-60°	1780.4	82.7
0°-90°	2154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	912	912	912	912	912	
5°	910	908	900	907	905	86
15°	866	861	847	846	840	244
25°	785	775	749	740	733	361
35°	676	660	629	609	599	423
45°	554	534	496	468	458	427
55°	420	398	360	328	318	376
65°	284	261	225	197	186	282
75°	152	131	102	87	82	160
85°	38	25	22	21	21	44
90°	0	0	0	0	0	



TEST NUMBER: P888553

CATALOG NUMBER: DPT5-6FO55-61V60-F-XX-UDD_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	911.7	911.7	911.7	911.7	911.7
2.5°	913.8	911.7	904.8	911.7	911.0
5°	910.3	907.7	900.0	906.8	905.4
7.5°	903.4	900.6	891.7	897.2	895.9
10°	893.1	891.1	881.3	883.5	881.3
12.5°	881.3	878.5	864.7	866.1	862.8
15°	865.6	861.4	846.9	846.2	840.1
17.5°	849.0	842.9	825.5	822.2	817.4
20°	829.0	822.2	800.1	796.7	790.5
22.5°	807.0	800.1	776.9	769.2	764.2
25°	784.9	774.6	749.1	740.2	732.7
27.5°	760.3	747.7	720.9	709.3	701.8
30°	732.7	719.6	690.6	674.9	668.7
32.5°	705.7	690.0	660.4	642.5	634.3
35°	676.2	659.7	628.7	608.8	599.1
37.5°	648.0	627.9	596.2	573.0	563.2
40°	617.7	597.0	563.9	537.7	529.6
42.5°	585.9	564.6	530.1	505.4	492.3
45°	553.6	533.8	495.7	468.3	457.9
47.5°	519.7	499.3	461.2	433.1	421.4
50°	488.2	465.5	426.2	397.4	387.0
52.5°	453.7	430.5	393.8	362.1	351.8
55°	420.1	398.0	359.6	328.5	317.5
57.5°	385.6	362.1	325.1	294.7	285.1
60°	352.5	328.5	291.2	261.0	250.6
62.5°	317.5	294.7	256.9	229.3	218.9
65°	284.5	261.0	224.6	196.8	186.5
67.5°	251.2	228.0	192.7	166.7	158.5
70°	217.7	194.2	159.7	138.3	130.2
72.5°	184.6	161.8	130.2	110.9	106.1
75°	151.5	130.8	101.9	86.9	82.0
77.5°	117.6	101.2	77.0	65.5	61.3
80°	89.5	73.1	53.8	47.5	46.2
82.5°	61.9	47.5	35.9	33.6	33.1
85°	37.8	25.4	22.1	21.3	20.7
87.5°	16.0	11.0	10.3	10.3	9.6
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)