

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: P888159

Luminaire Tested: **DPT5-6FO36-61S27-A-XX-UDD**

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: P888159
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: DPT5-6FO36-61S27-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

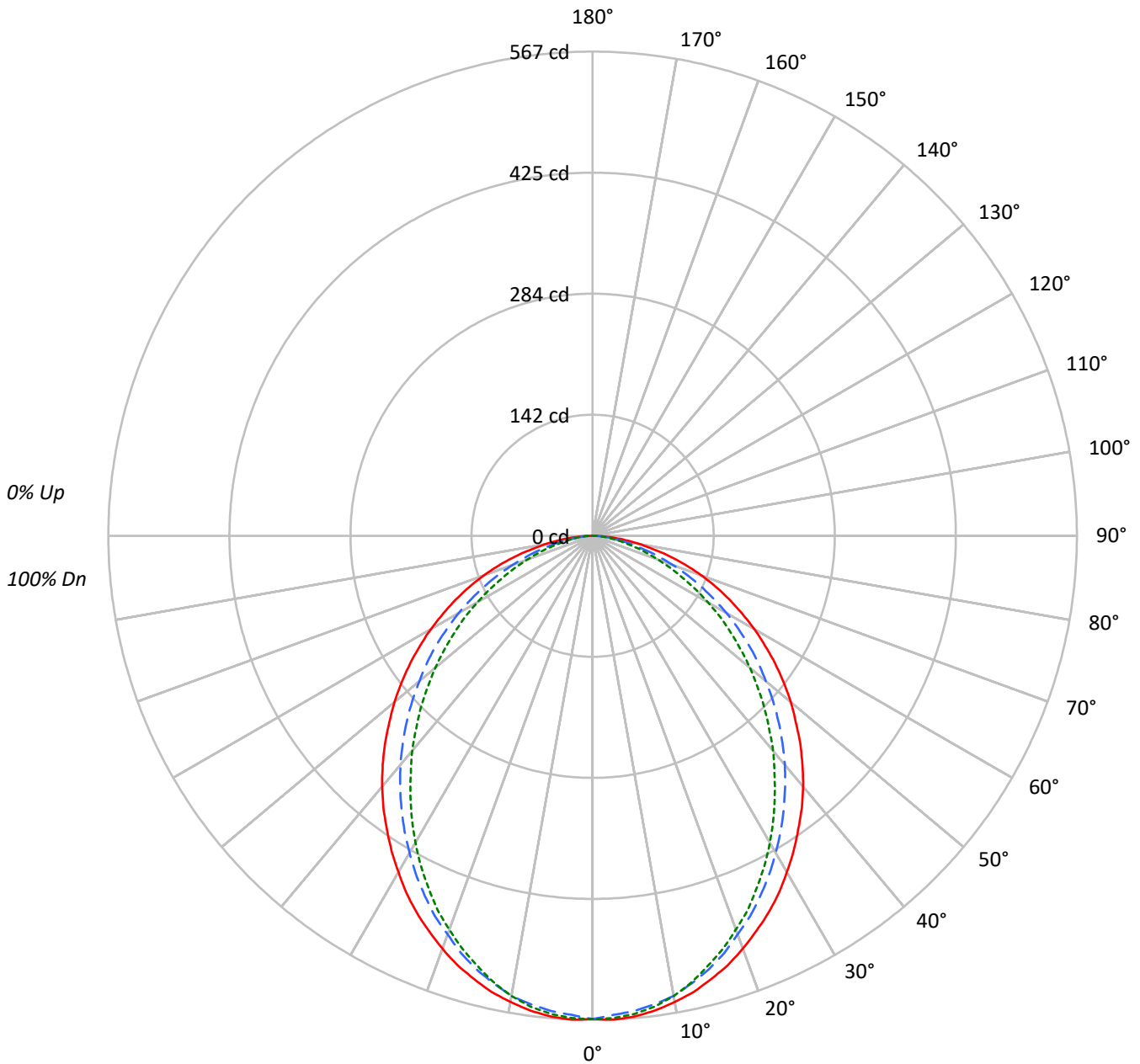
Lumens per Lamp: N/A
Luminaire Lumens: 1337.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888159

CATALOG NUMBER: DPT5-6FO36-61S27-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888159

CATALOG NUMBER: DPT5-6FO36-61S27-A-XX-UDD

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°	5382	5382	5382
5°	5395	5333	5365
10°	5353	5283	5283
15°	5290	5175	5134
20°	5207	5026	4966
25°	5113	4880	4773
30°	4995	4708	4557
35°	4873	4530	4317
40°	4760	4345	4081
45°	4621	4139	3822
50°	4483	3915	3554
55°	4324	3701	3268
60°	4162	3439	2960
65°	3974	3137	2606
70°	3757	2756	2247
75°	3454	2326	1870
80°	3045	1829	1572
85°	2564	1495	1397



TEST NUMBER: P888159

CATALOG NUMBER: DPT5-6FO36-61S27-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	4.0
10°-20°	148.8	11.1
20°-30°	215.8	16.1
30°-40°	245.9	18.4
40°-50°	239.6	17.9
50°-60°	201.7	15.1
60°-70°	141.3	10.6
70°-80°	72.5	5.4
80°-90°	18.1	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°	417.9	31.3
0°-40°	663.8	49.6
0°-60°	1105.1	82.7
0°-90°	1337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	565	563	559	563	562	54
15°	537	535	526	525	521	151
25°	487	481	465	459	455	224
35°	420	410	390	378	372	263
45°	344	331	308	291	284	265
55°	261	247	223	204	197	233
65°	177	162	139	122	116	175
75°	94	81	63	54	51	99
85°	24	16	14	13	13	27
90°	0	0	0	0	0	



TEST NUMBER: P888159

CATALOG NUMBER: DPT5-6FO36-61S27-A-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	565.9	565.9	565.9	565.9	565.9
2.5°	567.2	565.9	561.6	565.9	565.4
5°	565.1	563.4	558.6	562.8	562.0
7.5°	560.8	559.0	553.5	556.9	556.1
10°	554.3	553.1	547.1	548.4	547.1
12.5°	547.1	545.3	536.7	537.6	535.6
15°	537.3	534.7	525.6	525.3	521.4
17.5°	527.0	523.2	512.4	510.3	507.3
20°	514.5	510.3	496.6	494.5	490.7
22.5°	500.9	496.6	482.2	477.4	474.4
25°	487.2	480.8	465.0	459.4	454.8
27.5°	471.9	464.1	447.5	440.3	435.6
30°	454.8	446.7	428.7	418.9	415.0
32.5°	438.0	428.3	409.9	398.8	393.7
35°	419.7	409.5	390.2	377.9	371.8
37.5°	402.2	389.8	370.1	355.7	349.6
40°	383.4	370.6	350.0	333.8	328.7
42.5°	363.7	350.4	329.0	313.7	305.6
45°	343.6	331.3	307.7	290.7	284.2
47.5°	322.6	309.9	286.3	268.9	261.6
50°	303.0	288.9	264.6	246.7	240.2
52.5°	281.6	267.2	244.4	224.8	218.3
55°	260.8	247.0	223.2	203.9	197.1
57.5°	239.4	224.8	201.8	182.9	177.0
60°	218.8	203.9	180.8	162.0	155.6
62.5°	197.1	182.9	159.4	142.3	135.9
65°	176.6	162.0	139.4	122.2	115.8
67.5°	156.0	141.5	119.6	103.5	98.4
70°	135.1	120.5	99.1	85.9	80.8
72.5°	114.6	100.5	80.8	68.8	65.9
75°	94.0	81.2	63.3	53.9	50.9
77.5°	73.0	62.8	47.8	40.7	38.1
80°	55.6	45.4	33.4	29.5	28.7
82.5°	38.5	29.5	22.3	20.9	20.5
85°	23.5	15.8	13.7	13.2	12.8
87.5°	9.9	6.8	6.4	6.4	5.9
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)