

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: P888216

Luminaire Tested: **DPT5-6FO44-61S35-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: P888216
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: DPT5-6FO44-61S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

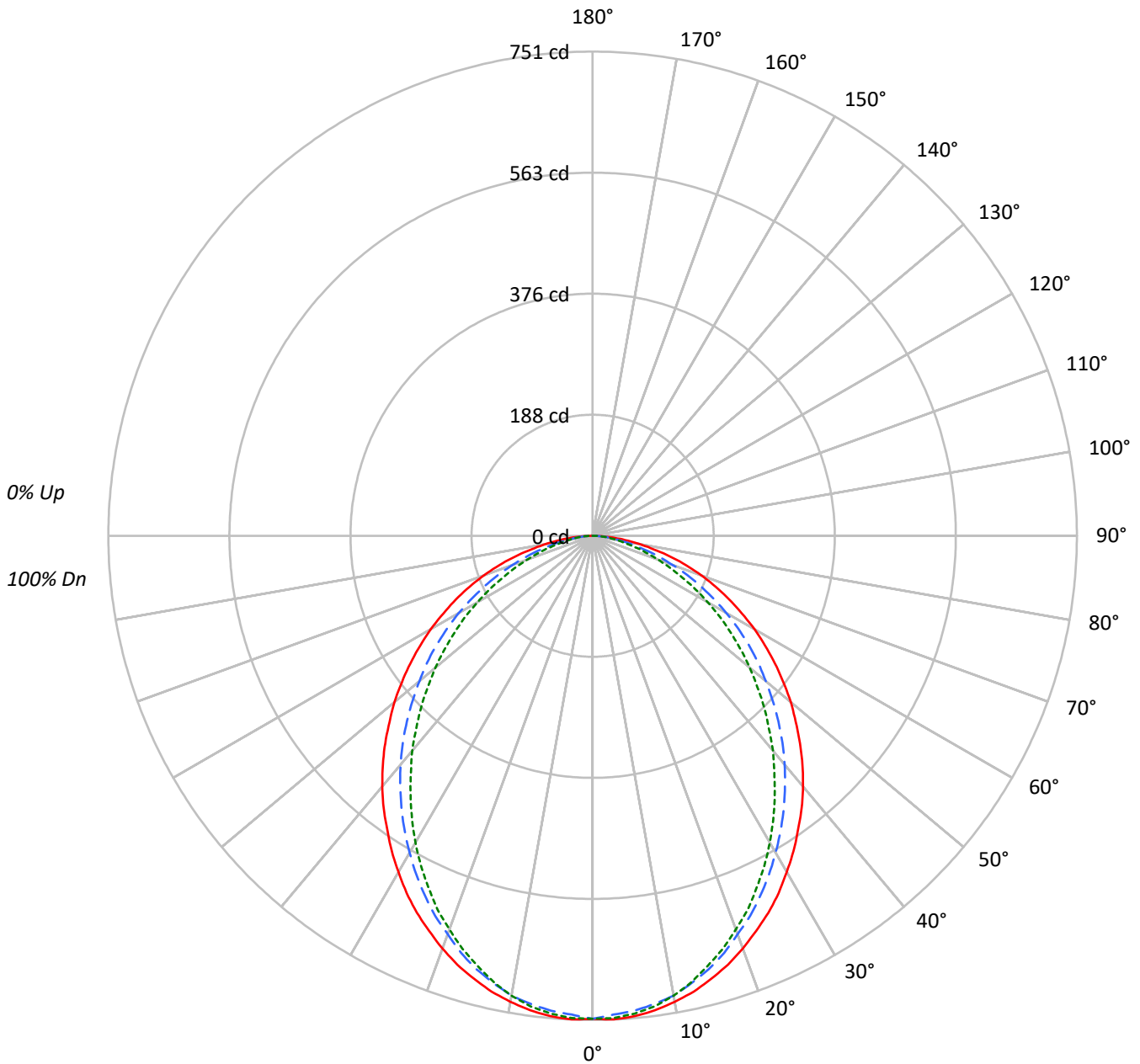
Lumens per Lamp: N/A
Luminaire Lumens: 1770.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888216

CATALOG NUMBER: DPT5-6FO44-61S35-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888216

CATALOG NUMBER: DPT5-6FO44-61S35-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°	5792	5792	5792
5°	5805	5739	5774
10°	5761	5685	5685
15°	5693	5570	5525
20°	5604	5409	5344
25°	5502	5251	5136
30°	5375	5066	4905
35°	5244	4875	4646
40°	5123	4677	4392
45°	4973	4454	4114
50°	4825	4213	3825
55°	4653	3983	3516
60°	4479	3700	3184
65°	4275	3375	2802
70°	4044	2966	2419
75°	3719	2503	2013
80°	3277	1968	1692
85°	2759	1614	1508



TEST NUMBER: P888216

CATALOG NUMBER: DPT5-6FO44-61S35-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	4.0
10°-20°	197.0	11.1
20°-30°	285.7	16.1
30°-40°	325.5	18.4
40°-50°	317.3	17.9
50°-60°	267.0	15.1
60°-70°	187.1	10.6
70°-80°	95.9	5.4
80°-90°	23.9	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°	553.3	31.3
0°-40°	878.8	49.6
0°-60°	1463.1	82.7
0°-90°	1770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	748	746	740	745	744	71
15°	711	708	696	695	690	201
25°	645	636	616	608	602	297
35°	556	542	517	500	492	348
45°	455	439	407	385	376	351
55°	345	327	296	270	261	309
65°	234	214	184	162	153	231
75°	124	108	84	71	67	132
85°	31	21	18	18	17	36
90°	0	0	0	0	0	



TEST NUMBER: P888216

CATALOG NUMBER: DPT5-6FO44-61S35-A-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	749.2	749.2	749.2	749.2	749.2
2.5°	750.9	749.2	743.5	749.2	748.6
5°	748.1	745.8	739.5	745.1	744.0
7.5°	742.4	740.1	732.7	737.2	736.2
10°	733.9	732.2	724.2	726.0	724.2
12.5°	724.2	721.9	710.6	711.7	709.0
15°	711.3	707.9	695.9	695.4	690.3
17.5°	697.7	692.6	678.4	675.6	671.6
20°	681.2	675.6	657.5	654.6	649.6
22.5°	663.1	657.5	638.4	632.1	628.0
25°	645.0	636.5	615.6	608.2	602.1
27.5°	624.7	614.4	592.4	582.8	576.7
30°	602.1	591.3	567.5	554.6	549.5
32.5°	579.9	567.0	542.6	527.9	521.2
35°	555.7	542.1	516.6	500.2	492.3
37.5°	532.5	516.0	490.0	470.9	462.8
40°	507.6	490.6	463.4	441.9	435.2
42.5°	481.5	463.9	435.6	415.3	404.5
45°	454.9	438.6	407.4	384.8	376.3
47.5°	427.1	410.3	379.0	355.9	346.3
50°	401.2	382.5	350.3	326.5	318.0
52.5°	372.8	353.7	323.6	297.6	289.1
55°	345.2	327.1	295.5	270.0	260.9
57.5°	316.9	297.6	267.1	242.1	234.3
60°	289.7	270.0	239.3	214.4	205.9
62.5°	260.9	242.1	211.1	188.4	179.9
65°	233.7	214.4	184.5	161.7	153.2
67.5°	206.5	187.4	158.4	137.0	130.3
70°	178.9	159.5	131.2	113.7	107.0
72.5°	151.7	133.0	107.0	91.1	87.2
75°	124.5	107.5	83.8	71.4	67.4
77.5°	96.7	83.1	63.3	53.8	50.4
80°	73.6	60.0	44.2	39.0	38.0
82.5°	50.9	39.0	29.5	27.6	27.2
85°	31.1	20.9	18.2	17.5	17.0
87.5°	13.1	9.0	8.5	8.5	7.9
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)