

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: P888512

Luminaire Tested: **DPT5-6FO55-109S30-F-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: P888512
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: DPT5-6FO55-109S30-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

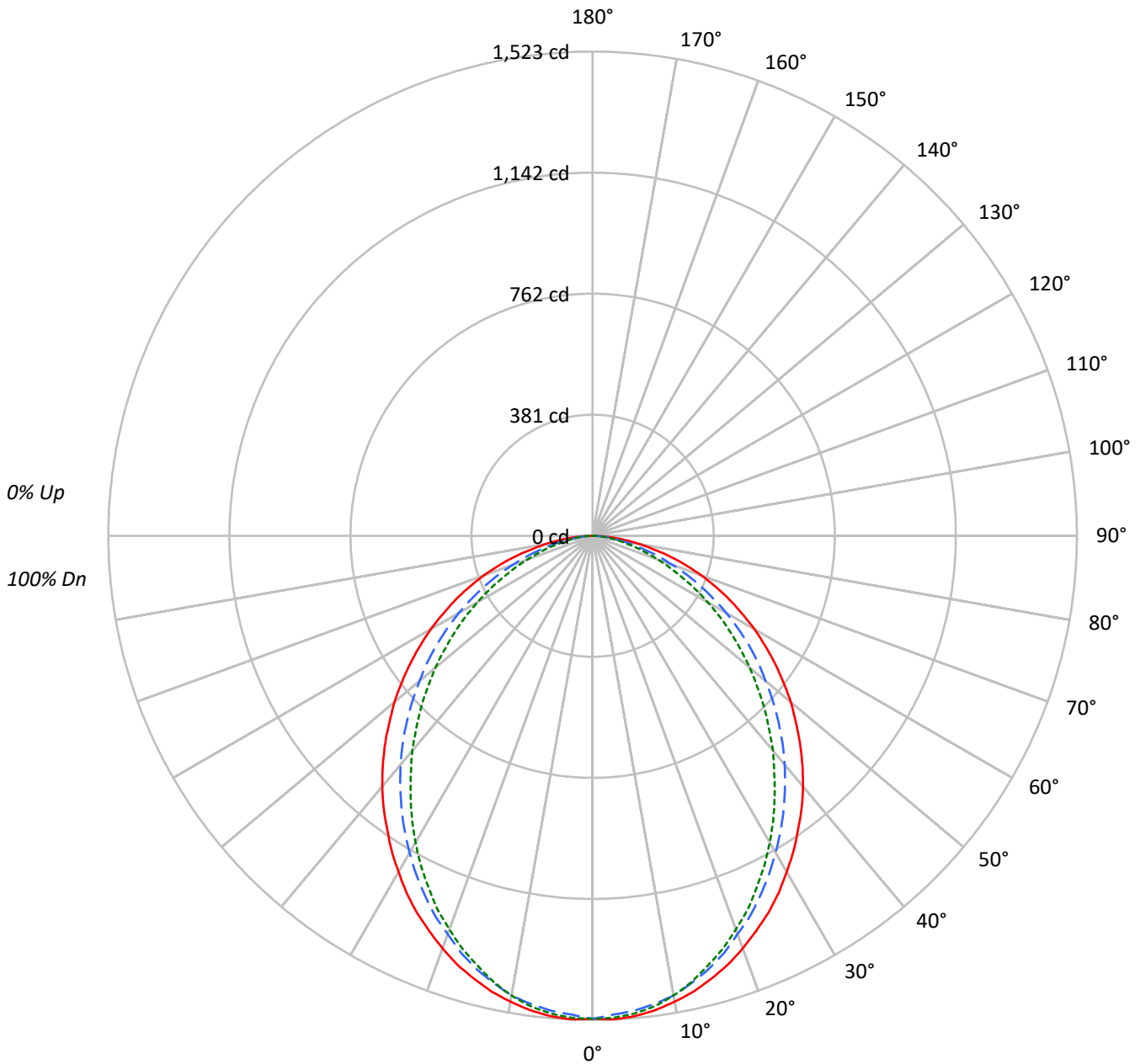
Lumens per Lamp: N/A
Luminaire Lumens: 3589.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 38.6
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: P888512

CATALOG NUMBER: DPT5-6FO55-109S30-F-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888512

CATALOG NUMBER: DPT5-6FO55-109S30-F-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°	9702	9702	9702
5°	9724	9613	9671
10°	9650	9523	9523
15°	9536	9329	9255
20°	9387	9060	8952
25°	9215	8795	8602
30°	9003	8486	8216
35°	8784	8167	7782
40°	8580	7833	7356
45°	8331	7460	6891
50°	8081	7056	6407
55°	7794	6670	5891
60°	7503	6197	5334
65°	7163	5653	4695
70°	6772	4967	4050
75°	6228	4190	3371
80°	5487	3295	2832
85°	4616	2697	2528



TEST NUMBER: P888512

CATALOG NUMBER: DPT5-6FO55-109S30-F-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	4.0
10°-20°	399.5	11.1
20°-30°	579.3	16.1
30°-40°	660.0	18.4
40°-50°	643.3	17.9
50°-60°	541.4	15.1
60°-70°	379.4	10.6
70°-80°	194.5	5.4
80°-90°	48.5	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°	1121.8	31.3
0°-40°	1781.9	49.6
0°-60°	2966.6	82.7
0°-90°	3589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1519	1519	1519	1519	1519	
5°	1517	1512	1500	1511	1508	144
15°	1442	1435	1411	1410	1400	407
25°	1308	1291	1248	1233	1221	602
35°	1127	1099	1048	1014	998	706
45°	922	889	826	780	763	711
55°	700	663	599	547	529	626
65°	474	435	374	328	311	469
75°	252	218	170	145	137	267
85°	63	42	37	36	34	73
90°	0	0	0	0	0	



TEST NUMBER: P888512

CATALOG NUMBER: DPT5-6FO55-109S30-F-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1519.2	1519.2	1519.2	1519.2	1519.2
2.5°	1522.6	1519.2	1507.7	1519.2	1517.9
5°	1516.8	1512.3	1499.6	1510.9	1508.5
7.5°	1505.3	1500.6	1485.7	1494.9	1492.8
10°	1488.1	1484.7	1468.5	1472.1	1468.5
12.5°	1468.5	1463.8	1440.8	1443.2	1437.6
15°	1442.3	1435.3	1411.0	1410.0	1399.8
17.5°	1414.7	1404.4	1375.5	1370.0	1361.9
20°	1381.2	1370.0	1333.1	1327.4	1317.2
22.5°	1344.6	1333.1	1294.4	1281.6	1273.3
25°	1307.8	1290.6	1248.2	1233.3	1220.8
27.5°	1266.7	1245.9	1201.2	1181.8	1169.3
30°	1220.8	1199.1	1150.7	1124.6	1114.1
32.5°	1175.9	1149.7	1100.3	1070.5	1056.9
35°	1126.7	1099.2	1047.5	1014.3	998.2
37.5°	1079.7	1046.3	993.5	954.7	938.3
40°	1029.2	994.7	939.6	896.0	882.4
42.5°	976.2	940.7	883.2	842.2	820.2
45°	922.4	889.4	826.0	780.2	763.0
47.5°	866.0	831.9	768.5	721.7	702.1
50°	813.4	775.5	710.2	662.1	644.9
52.5°	756.0	717.2	656.1	603.4	586.1
55°	700.0	663.2	599.1	547.4	529.1
57.5°	642.5	603.4	541.6	491.0	475.0
60°	587.4	547.4	485.2	434.8	417.6
62.5°	529.1	491.0	428.0	382.0	364.8
65°	474.0	434.8	374.1	328.0	310.7
67.5°	418.6	379.9	321.2	277.7	264.1
70°	362.7	323.5	266.0	230.5	216.9
72.5°	307.5	269.7	216.9	184.7	176.9
75°	252.4	217.9	169.8	144.7	136.6
77.5°	196.0	168.6	128.3	109.2	102.2
80°	149.2	121.7	89.6	79.2	77.0
82.5°	103.2	79.2	59.8	56.0	55.1
85°	63.0	42.4	36.8	35.5	34.5
87.5°	26.6	18.3	17.2	17.2	16.0
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)