

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: P888279

Luminaire Tested: **DPT5-6FO55-61V60-A-XX-UDD_6500K**

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: P888279
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-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

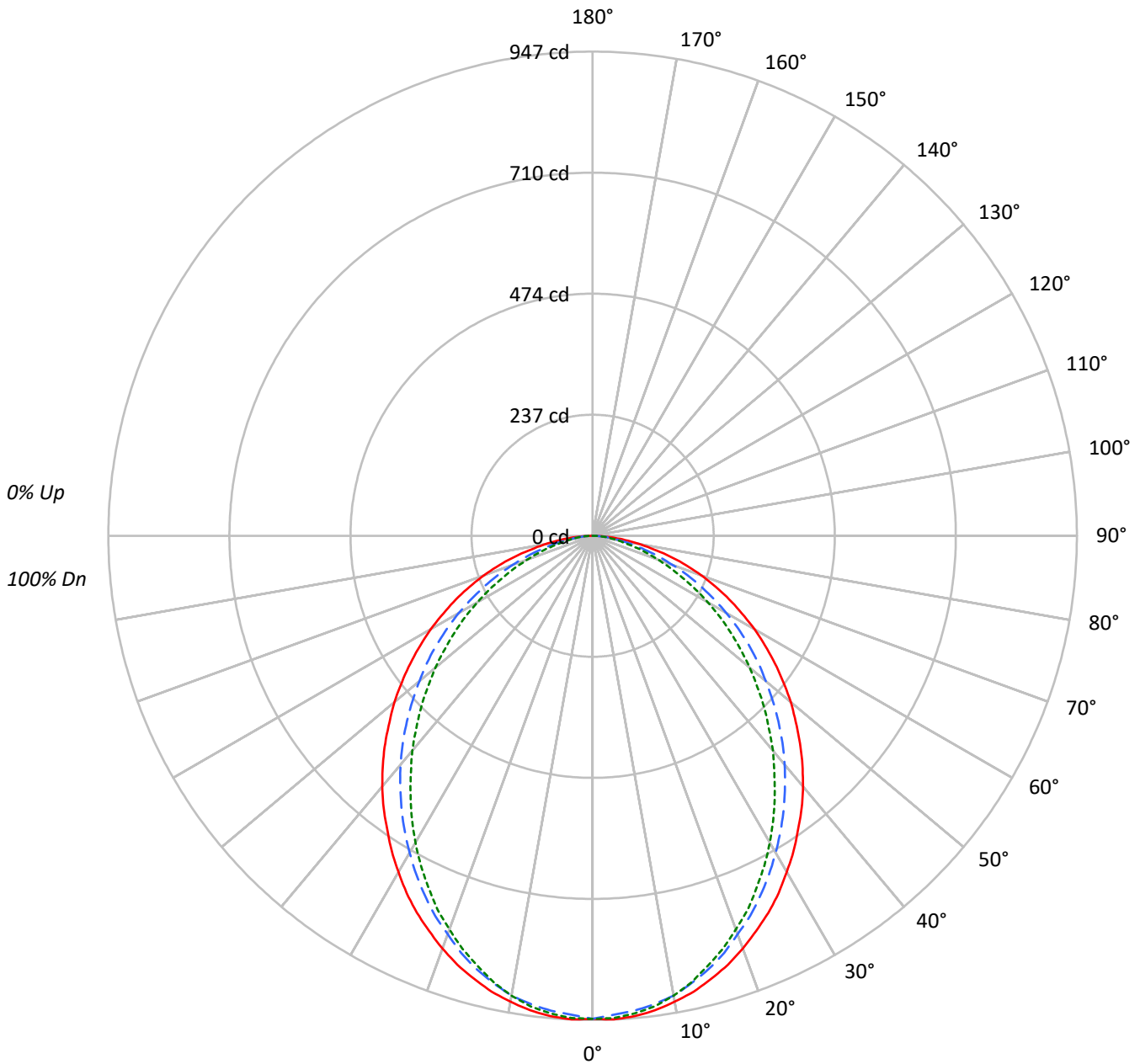
Lumens per Lamp: N/A
Luminaire Lumens: 2232.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888279

CATALOG NUMBER: DPT5-6FO55-61V60-A-XX-UDD_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P888279

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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°	6034	6034	6034
5°	6047	5979	6014
10°	6001	5923	5923
15°	5931	5802	5755
20°	5838	5635	5567
25°	5731	5470	5350
30°	5599	5278	5110
35°	5463	5079	4840
40°	5336	4872	4574
45°	5181	4640	4285
50°	5026	4388	3984
55°	4847	4149	3663
60°	4666	3855	3317
65°	4455	3516	2920
70°	4211	3088	2519
75°	3874	2606	2097
80°	3413	2048	1762
85°	2872	1678	1568



TEST NUMBER: P888279

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	4.0
10°-20°	248.5	11.1
20°-30°	360.3	16.1
30°-40°	410.5	18.4
40°-50°	400.1	17.9
50°-60°	336.7	15.1
60°-70°	235.9	10.6
70°-80°	121.0	5.4
80°-90°	30.2	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°	697.7	31.3
0°-40°	1108.2	49.6
0°-60°	1844.9	82.7
0°-90°	2232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	943	940	933	940	938	89
15°	897	893	878	877	870	253
25°	813	803	776	767	759	374
35°	701	684	652	631	621	439
45°	574	553	514	485	474	442
55°	435	412	373	340	329	389
65°	295	270	233	204	193	292
75°	157	136	106	90	85	166
85°	39	26	23	22	21	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	944.8	944.8	944.8	944.8	944.8
2.5°	946.9	944.8	937.6	944.8	944.0
5°	943.3	940.5	932.6	939.6	938.1
7.5°	936.2	933.2	924.0	929.7	928.3
10°	925.4	923.3	913.3	915.5	913.3
12.5°	913.3	910.3	896.1	897.5	894.1
15°	897.0	892.6	877.5	876.9	870.5
17.5°	879.8	873.4	855.4	852.0	846.9
20°	859.0	852.0	829.1	825.5	819.2
22.5°	836.2	829.1	805.0	797.1	791.9
25°	813.3	802.6	776.3	767.0	759.2
27.5°	787.8	774.8	747.0	735.0	727.2
30°	759.2	745.7	715.7	699.4	692.9
32.5°	731.3	715.0	684.3	665.8	657.3
35°	700.7	683.6	651.5	630.8	620.8
37.5°	671.4	650.7	617.8	593.8	583.6
40°	640.1	618.6	584.4	557.2	548.7
42.5°	607.1	585.0	549.3	523.7	510.1
45°	573.6	553.1	513.7	485.2	474.5
47.5°	538.6	517.4	477.9	448.8	436.6
50°	505.9	482.3	441.7	411.8	401.0
52.5°	470.1	446.0	408.1	375.2	364.5
55°	435.3	412.4	372.6	340.4	329.0
57.5°	399.6	375.2	336.8	305.3	295.4
60°	365.3	340.4	301.8	270.4	259.7
62.5°	329.0	305.3	266.2	237.6	226.9
65°	294.8	270.4	232.7	204.0	193.2
67.5°	260.3	236.3	199.7	172.7	164.3
70°	225.5	201.2	165.4	143.3	134.9
72.5°	191.3	167.7	134.9	114.9	110.0
75°	157.0	135.5	105.6	90.0	85.0
77.5°	121.9	104.8	79.8	67.9	63.5
80°	92.8	75.7	55.7	49.2	47.9
82.5°	64.2	49.2	37.2	34.8	34.3
85°	39.2	26.3	22.9	22.1	21.4
87.5°	16.5	11.4	10.7	10.7	9.9
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)