

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: P888150

Luminaire Tested: **DPT5-6FO36-37S35-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: P888150
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: DPT5-6FO36-37S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

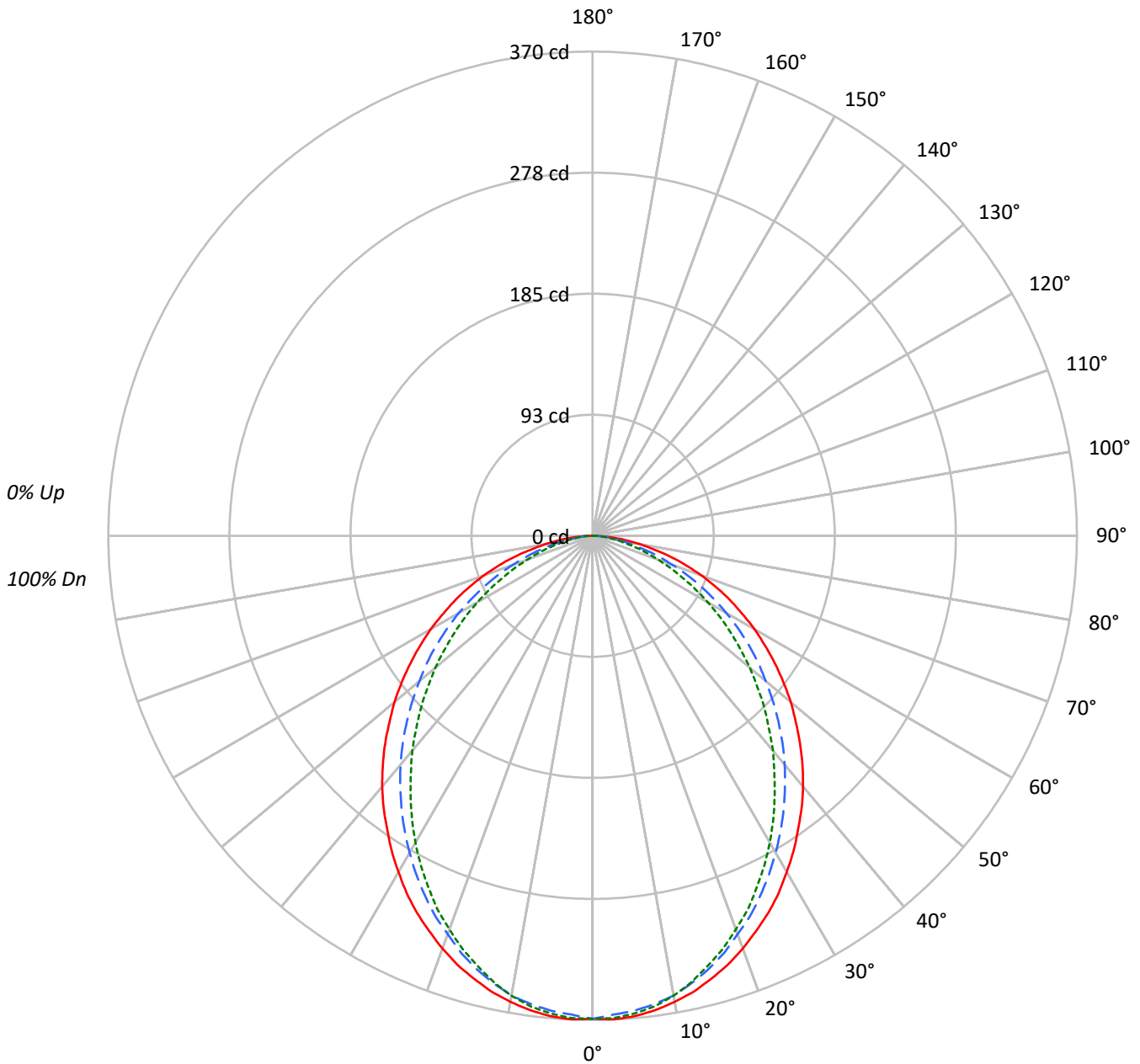
Lumens per Lamp: N/A
Luminaire Lumens: 872.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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: P888150

CATALOG NUMBER: DPT5-6FO36-37S35-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888150

CATALOG NUMBER: DPT5-6FO36-37S35-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°	3510	3510	3510
5°	3518	3478	3499
10°	3492	3446	3446
15°	3450	3375	3349
20°	3397	3278	3239
25°	3335	3183	3112
30°	3257	3071	2973
35°	3178	2955	2815
40°	3105	2834	2662
45°	3014	2699	2494
50°	2924	2554	2318
55°	2820	2414	2131
60°	2714	2243	1931
65°	2592	2046	1699
70°	2450	1796	1465
75°	2253	1518	1220
80°	1983	1194	1024
85°	1670	971	917



TEST NUMBER: P888150

CATALOG NUMBER: DPT5-6FO36-37S35-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	4.0
10°-20°	97.1	11.1
20°-30°	140.8	16.1
30°-40°	160.4	18.4
40°-50°	156.3	17.9
50°-60°	131.5	15.1
60°-70°	92.2	10.6
70°-80°	47.3	5.4
80°-90°	11.8	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°	272.6	31.3
0°-40°	432.9	49.6
0°-60°	720.8	82.7
0°-90°	872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	368	367	364	367	366	35
15°	350	349	343	343	340	99
25°	318	314	303	300	297	146
35°	274	267	254	246	242	171
45°	224	216	201	190	185	173
55°	170	161	146	133	128	152
65°	115	106	91	80	76	114
75°	61	53	41	35	33	65
85°	15	10	9	9	8	18
90°	0	0	0	0	0	



TEST NUMBER: P888150

CATALOG NUMBER: DPT5-6FO36-37S35-A-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	369.1	369.1	369.1	369.1	369.1
2.5°	369.9	369.1	366.3	369.1	368.8
5°	368.5	367.4	364.3	367.1	366.5
7.5°	365.7	364.6	361.0	363.2	362.7
10°	361.6	360.7	356.8	357.7	356.8
12.5°	356.8	355.7	350.1	350.6	349.3
15°	350.4	348.7	342.8	342.6	340.1
17.5°	343.7	341.2	334.2	332.9	330.9
20°	335.6	332.9	323.9	322.5	320.0
22.5°	326.7	323.9	314.5	311.4	309.4
25°	317.8	313.6	303.3	299.7	296.6
27.5°	307.8	302.7	291.8	287.1	284.1
30°	296.6	291.3	279.6	273.2	270.7
32.5°	285.7	279.3	267.3	260.1	256.8
35°	273.7	267.1	254.5	246.4	242.5
37.5°	262.3	254.2	241.4	232.0	228.0
40°	250.1	241.7	228.3	217.7	214.4
42.5°	237.2	228.6	214.6	204.6	199.3
45°	224.1	216.1	200.7	189.6	185.4
47.5°	210.4	202.1	186.7	175.3	170.6
50°	197.6	188.4	172.6	160.9	156.7
52.5°	183.7	174.3	159.4	146.6	142.4
55°	170.1	161.1	145.6	133.0	128.5
57.5°	156.1	146.6	131.6	119.3	115.4
60°	142.7	133.0	117.9	105.6	101.5
62.5°	128.5	119.3	104.0	92.8	88.6
65°	115.2	105.6	90.9	79.7	75.5
67.5°	101.7	92.3	78.0	67.5	64.2
70°	88.1	78.6	64.6	56.0	52.7
72.5°	74.7	65.5	52.7	44.9	43.0
75°	61.3	53.0	41.3	35.2	33.2
77.5°	47.6	41.0	31.2	26.5	24.8
80°	36.2	29.6	21.8	19.2	18.7
82.5°	25.1	19.2	14.5	13.6	13.4
85°	15.3	10.3	8.9	8.6	8.4
87.5°	6.5	4.4	4.2	4.2	3.9
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)