

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: P888329

Luminaire Tested: **DPT5-4F021-61V60-F-XX-UDD_3000K**

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: P888329
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: DPT5-4F021-61V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

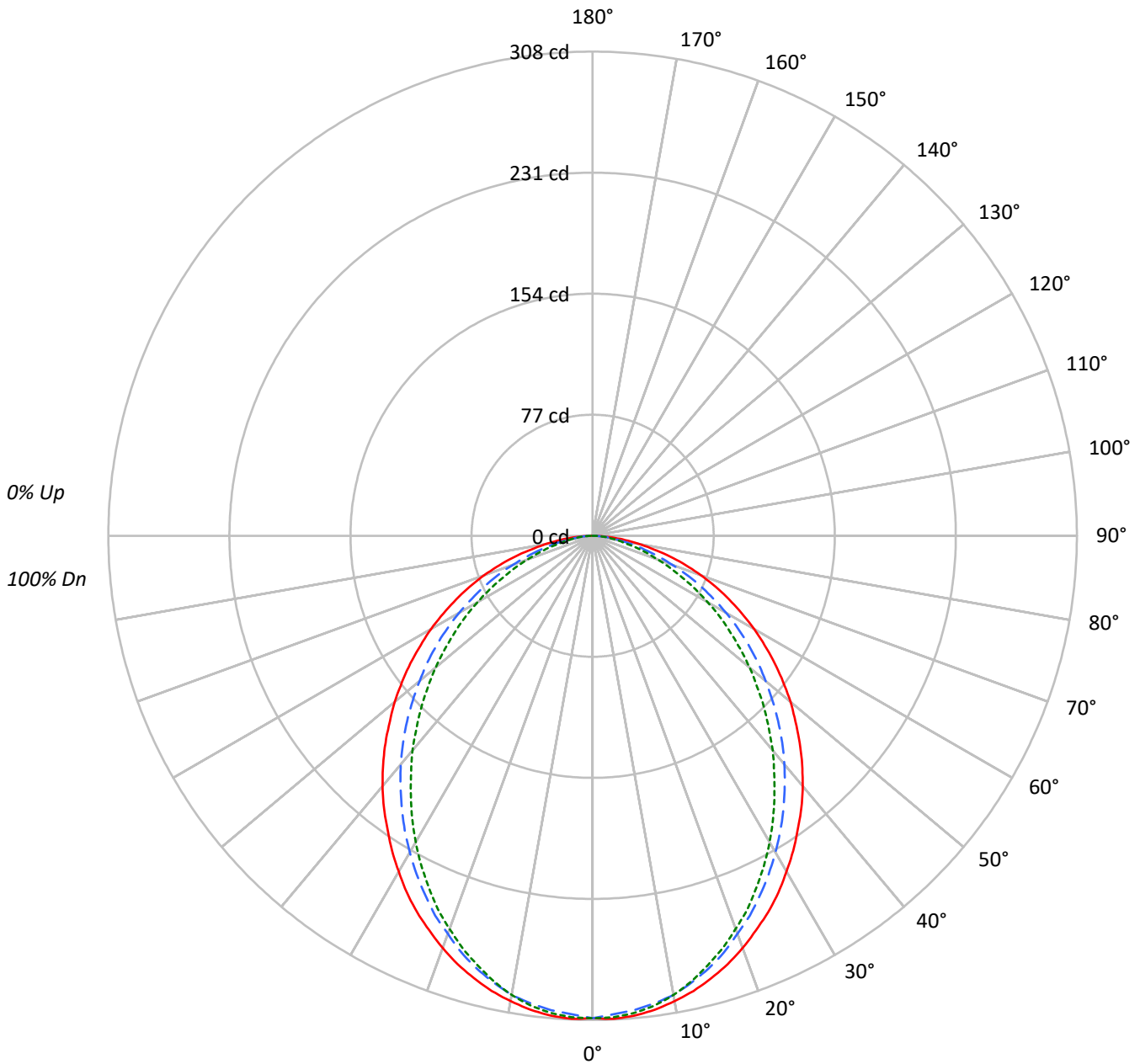
Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 1.65' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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: P888329

CATALOG NUMBER: DPT5-4F021-61V60-F-XX-UDD_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P888329

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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°	5136	5136	5136
5°	5147	5088	5118
10°	5108	5040	5040
15°	5048	4937	4899
20°	4968	4796	4739
25°	4878	4655	4553
30°	4765	4492	4349
35°	4649	4323	4118
40°	4541	4146	3893
45°	4409	3950	3647
50°	4277	3736	3392
55°	4125	3530	3119
60°	3973	3280	2825
65°	3789	2993	2487
70°	3586	2627	2143
75°	3297	2218	1784
80°	2901	1744	1503
85°	2438	1421	1344



TEST NUMBER: P888329

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	4.0
10°-20°	80.7	11.1
20°-30°	117.0	16.1
30°-40°	133.3	18.4
40°-50°	129.9	17.9
50°-60°	109.4	15.1
60°-70°	76.6	10.6
70°-80°	39.3	5.4
80°-90°	9.8	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°	226.6	31.3
0°-40°	359.9	49.6
0°-60°	599.3	82.7
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	306	306	303	305	305	29
15°	291	290	285	285	283	82
25°	264	261	252	249	247	122
35°	228	222	212	205	202	143
45°	186	180	167	158	154	144
55°	141	134	121	111	107	126
65°	96	88	76	66	63	95
75°	51	44	34	29	28	54
85°	13	9	7	7	7	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.9	306.9	306.9	306.9	306.9
2.5°	307.6	306.9	304.6	306.9	306.6
5°	306.4	305.5	302.9	305.2	304.7
7.5°	304.1	303.1	300.1	302.0	301.5
10°	300.6	299.9	296.6	297.4	296.6
12.5°	296.6	295.7	291.1	291.5	290.4
15°	291.4	289.9	285.0	284.8	282.8
17.5°	285.8	283.7	277.9	276.7	275.1
20°	279.0	276.7	269.3	268.1	266.1
22.5°	271.6	269.3	261.5	258.9	257.2
25°	264.2	260.7	252.1	249.1	246.6
27.5°	255.9	251.7	242.6	238.7	236.2
30°	246.6	242.2	232.5	227.2	225.1
32.5°	237.5	232.2	222.3	216.3	213.5
35°	227.6	222.1	211.6	204.9	201.6
37.5°	218.1	211.3	200.7	192.9	189.6
40°	207.9	200.9	189.8	181.0	178.2
42.5°	197.2	190.0	178.4	170.1	165.7
45°	186.3	179.7	166.9	157.6	154.1
47.5°	174.9	168.1	155.2	145.8	141.8
50°	164.3	156.7	143.5	133.7	130.3
52.5°	152.7	144.9	132.5	121.9	118.4
55°	141.4	134.0	121.0	110.6	106.9
57.5°	129.8	121.9	109.4	99.2	96.0
60°	118.7	110.6	98.0	87.8	84.4
62.5°	106.9	99.2	86.5	77.2	73.7
65°	95.7	87.8	75.6	66.3	62.8
67.5°	84.6	76.7	64.9	56.1	53.4
70°	73.3	65.3	53.7	46.6	43.8
72.5°	62.1	54.5	43.8	37.3	35.7
75°	51.0	44.0	34.3	29.2	27.6
77.5°	39.6	34.0	25.9	22.1	20.6
80°	30.1	24.6	18.1	16.0	15.6
82.5°	20.9	16.0	12.1	11.3	11.1
85°	12.7	8.6	7.4	7.2	7.0
87.5°	5.4	3.7	3.5	3.5	3.2
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)