

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: P888376

Luminaire Tested: **DPT5-4F029-37V60-F-XX-UDD_4500K**

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: P888376
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: DPT5-4F029-37V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

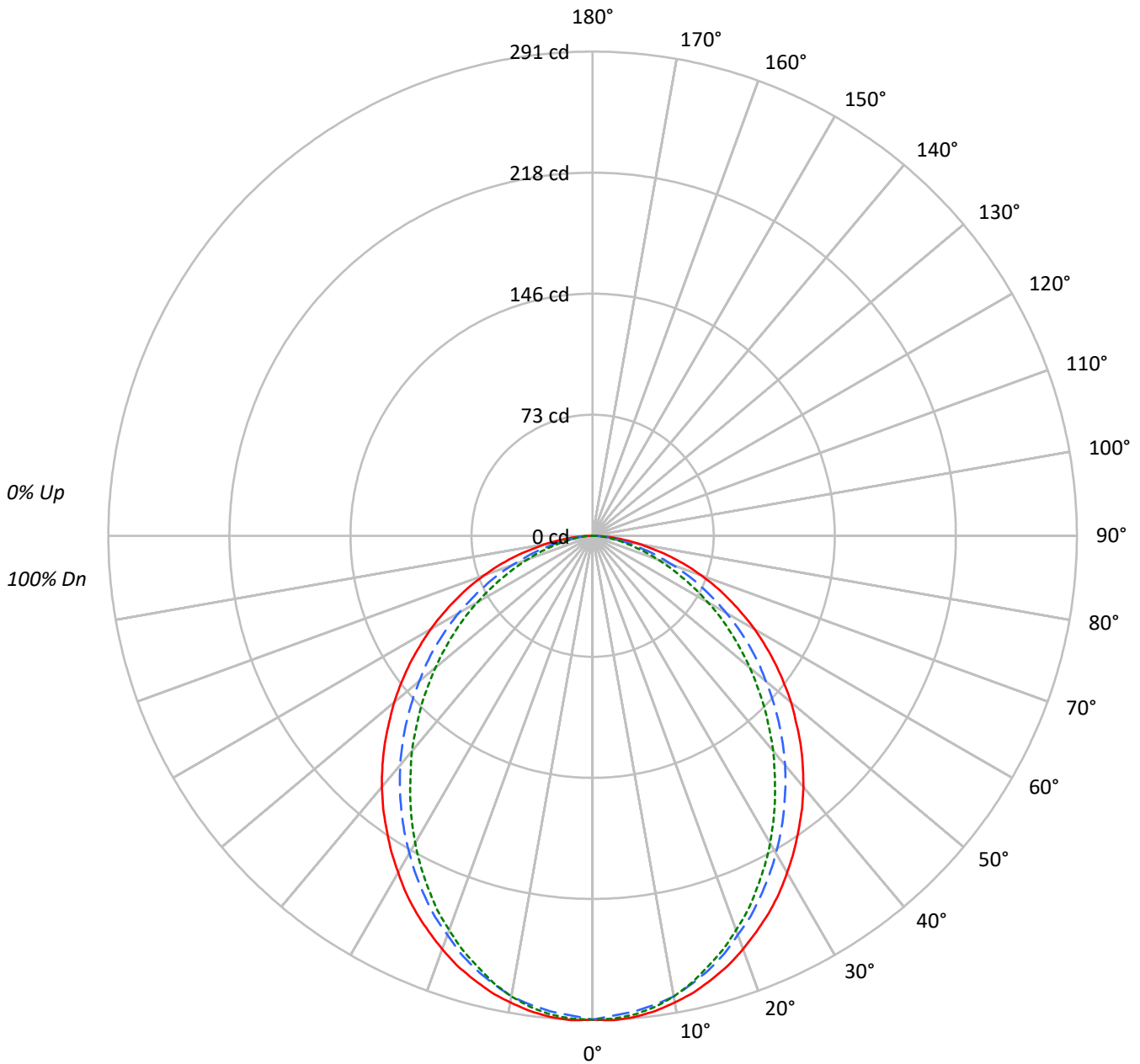
Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P888376

CATALOG NUMBER: DPT5-4F029-37V60-F-XX-UDD_4500K

Luminous Intensity Polar Plot





TEST NUMBER: P888376

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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°	3463	3463	3463
5°	3471	3431	3453
10°	3444	3399	3399
15°	3404	3330	3303
20°	3351	3234	3195
25°	3289	3139	3071
30°	3214	3030	2933
35°	3136	2915	2778
40°	3063	2797	2626
45°	2974	2663	2459
50°	2885	2518	2286
55°	2782	2382	2103
60°	2677	2213	1903
65°	2556	2018	1677
70°	2417	1772	1445
75°	2223	1495	1206
80°	1962	1180	1008
85°	1653	957	902



TEST NUMBER: P888376

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	4.0
10°-20°	76.5	11.1
20°-30°	110.9	16.1
30°-40°	126.4	18.4
40°-50°	123.1	17.9
50°-60°	103.6	15.1
60°-70°	72.6	10.6
70°-80°	37.2	5.4
80°-90°	9.3	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°	214.7	31.3
0°-40°	341.1	49.6
0°-60°	567.9	82.7
0°-90°	687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	291	291	291	291	291	
5°	290	290	287	289	289	28
15°	276	275	270	270	268	78
25°	250	247	239	236	234	115
35°	216	210	200	194	191	135
45°	177	170	158	149	146	136
55°	134	127	115	105	101	120
65°	91	83	72	63	60	90
75°	48	42	32	28	26	51
85°	12	8	7	7	7	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	290.8	290.8	290.8	290.8	290.8
2.5°	291.4	290.8	288.6	290.8	290.5
5°	290.3	289.5	287.0	289.2	288.8
7.5°	288.1	287.2	284.4	286.1	285.7
10°	284.8	284.2	281.1	281.8	281.1
12.5°	281.1	280.2	275.8	276.2	275.2
15°	276.1	274.7	270.1	269.9	267.9
17.5°	270.8	268.8	263.3	262.2	260.7
20°	264.4	262.2	255.2	254.1	252.1
22.5°	257.4	255.2	247.8	245.3	243.7
25°	250.3	247.0	238.9	236.1	233.7
27.5°	242.5	238.5	229.9	226.2	223.8
30°	233.7	229.5	220.3	215.3	213.3
32.5°	225.1	220.1	210.6	204.9	202.3
35°	215.7	210.4	200.5	194.2	191.1
37.5°	206.7	200.3	190.2	182.8	179.6
40°	197.0	190.4	179.9	171.5	168.9
42.5°	186.9	180.1	169.1	161.2	157.0
45°	176.6	170.2	158.1	149.3	146.0
47.5°	165.8	159.2	147.1	138.1	134.4
50°	155.7	148.5	135.9	126.7	123.4
52.5°	144.7	137.3	125.6	115.5	112.2
55°	134.0	126.9	114.7	104.8	101.3
57.5°	123.0	115.5	103.7	94.0	90.9
60°	112.4	104.8	92.9	83.2	79.9
62.5°	101.3	94.0	81.9	73.1	69.8
65°	90.7	83.2	71.6	62.8	59.5
67.5°	80.1	72.7	61.5	53.2	50.6
70°	69.4	61.9	50.9	44.1	41.5
72.5°	58.9	51.6	41.5	35.4	33.9
75°	48.3	41.7	32.5	27.7	26.2
77.5°	37.5	32.3	24.6	20.9	19.6
80°	28.6	23.3	17.2	15.2	14.7
82.5°	19.8	15.2	11.4	10.7	10.6
85°	12.1	8.1	7.0	6.8	6.6
87.5°	5.1	3.5	3.3	3.3	3.1
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)