

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: P888065

Luminaire Tested: **DPT5-4F021-85V60-A-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: P888065
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: DPT5-4F021-85V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

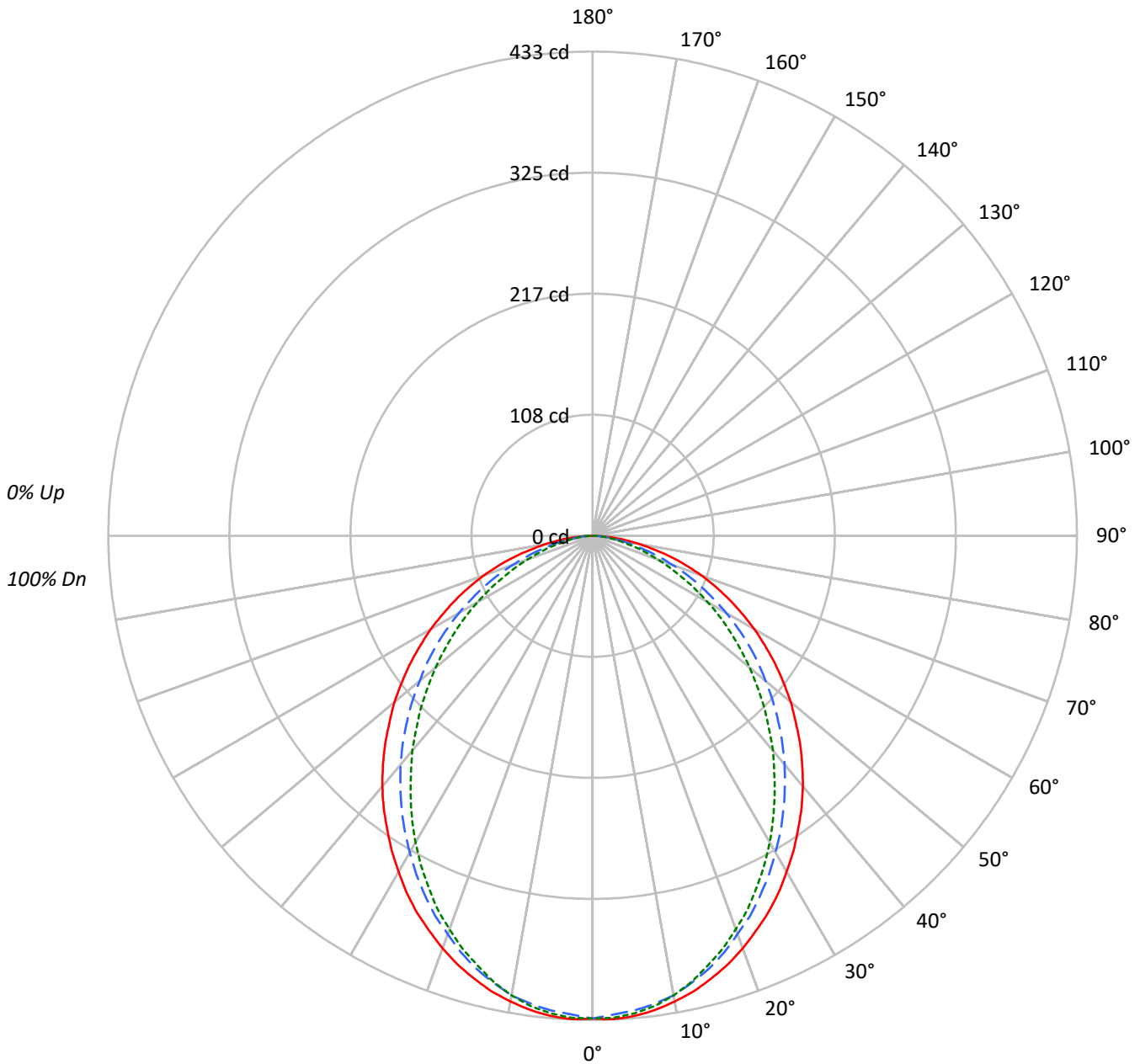
Lumens per Lamp: N/A
Luminaire Lumens: 1020.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 1.65' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 11.4
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

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Luminous Intensity Polar Plot





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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°	7224	7224	7224
5°	7241	7159	7201
10°	7186	7091	7091
15°	7101	6947	6892
20°	6991	6747	6665
25°	6863	6549	6405
30°	6703	6318	6117
35°	6541	6081	5795
40°	6389	5832	5479
45°	6203	5554	5131
50°	6019	5253	4772
55°	5803	4968	4388
60°	5586	4615	3973
65°	5334	4209	3496
70°	5044	3699	3014
75°	4636	3123	2509
80°	4086	2457	2110
85°	3437	2016	1882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	4.0
10°-20°	113.5	11.1
20°-30°	164.6	16.1
30°-40°	187.6	18.4
40°-50°	182.8	17.9
50°-60°	153.9	15.1
60°-70°	107.8	10.6
70°-80°	55.3	5.4
80°-90°	13.8	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°	318.8	31.3
0°-40°	506.4	49.6
0°-60°	843.1	82.7
0°-90°	1020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	431	430	426	429	429	41
15°	410	408	401	401	398	116
25°	372	367	355	350	347	171
35°	320	312	298	288	284	200
45°	262	253	235	222	217	202
55°	199	188	170	156	150	178
65°	135	124	106	93	88	133
75°	72	62	48	41	39	76
85°	18	12	10	10	10	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	431.7	431.7	431.7	431.7	431.7
2.5°	432.7	431.7	428.5	431.7	431.4
5°	431.1	429.8	426.2	429.4	428.7
7.5°	427.8	426.5	422.2	424.9	424.2
10°	422.9	421.9	417.3	418.4	417.3
12.5°	417.3	416.0	409.5	410.2	408.6
15°	409.9	407.9	401.0	400.7	397.8
17.5°	402.0	399.1	390.9	389.3	387.0
20°	392.6	389.3	378.9	377.2	374.3
22.5°	382.1	378.9	367.9	364.2	361.9
25°	371.7	366.8	354.7	350.5	346.9
27.5°	360.0	354.1	341.4	335.9	332.3
30°	346.9	340.8	327.0	319.6	316.6
32.5°	334.2	326.7	312.7	304.2	300.4
35°	320.2	312.4	297.7	288.3	283.7
37.5°	306.8	297.3	282.3	271.3	266.7
40°	292.5	282.7	267.0	254.6	250.8
42.5°	277.4	267.3	251.0	239.3	233.1
45°	262.1	252.8	234.7	221.7	216.8
47.5°	246.1	236.4	218.4	205.1	199.5
50°	231.2	220.4	201.8	188.2	183.3
52.5°	214.8	203.8	186.5	171.5	166.6
55°	198.9	188.5	170.3	155.6	150.4
57.5°	182.6	171.5	153.9	139.5	135.0
60°	166.9	155.6	137.9	123.6	118.7
62.5°	150.4	139.5	121.6	108.6	103.7
65°	134.7	123.6	106.3	93.2	88.3
67.5°	119.0	108.0	91.3	78.9	75.1
70°	103.1	91.9	75.6	65.5	61.6
72.5°	87.4	76.6	61.6	52.5	50.3
75°	71.7	61.9	48.3	41.1	38.8
77.5°	55.7	47.9	36.5	31.0	29.0
80°	42.4	34.6	25.5	22.5	21.9
82.5°	29.3	22.5	17.0	15.9	15.7
85°	17.9	12.0	10.5	10.1	9.8
87.5°	7.6	5.2	4.9	4.9	4.5
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)