

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: P888054

Luminaire Tested: **DPT5-4F021-61V60-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: P888054
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-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

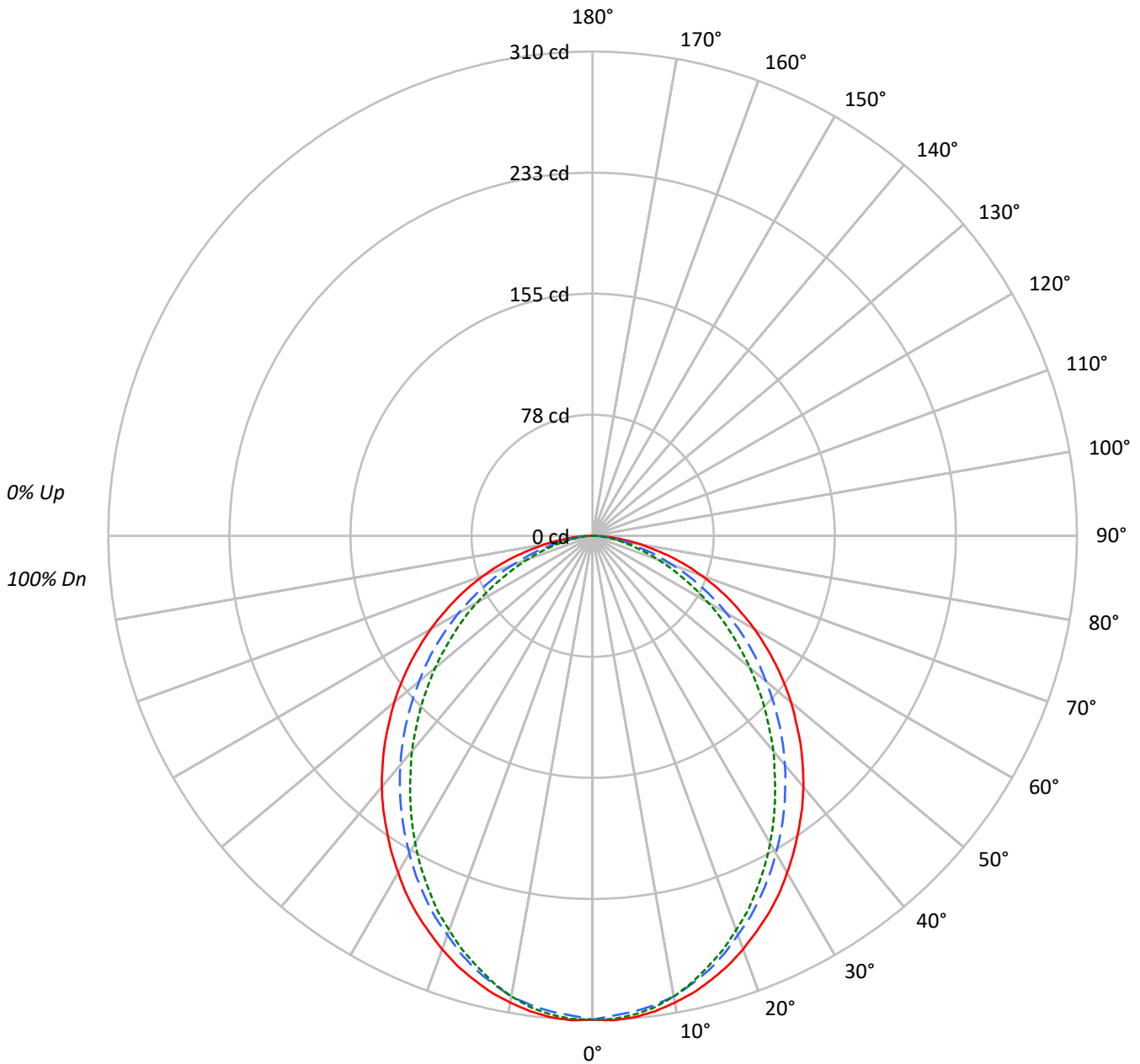
Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 1.65' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P888054

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

Luminous Intensity Polar Plot





TEST NUMBER: P888054

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

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°	5184	5184	5184
5°	5197	5137	5169
10°	5157	5089	5089
15°	5097	4986	4946
20°	5016	4842	4783
25°	4924	4701	4597
30°	4811	4535	4390
35°	4694	4365	4159
40°	4585	4185	3932
45°	4451	3988	3682
50°	4319	3770	3423
55°	4166	3565	3148
60°	4009	3313	2851
65°	3829	3021	2510
70°	3621	2657	2163
75°	3330	2237	1804
80°	2930	1763	1513
85°	2458	1440	1344



TEST NUMBER: P888054

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	4.0
10°-20°	81.5	11.1
20°-30°	118.2	16.1
30°-40°	134.6	18.4
40°-50°	131.2	17.9
50°-60°	110.4	15.1
60°-70°	77.4	10.6
70°-80°	39.7	5.4
80°-90°	9.9	1.3
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°	228.8	31.3
0°-40°	363.4	49.6
0°-60°	605.0	82.7
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	310	310	310	310	310	
5°	309	308	306	308	308	29
15°	294	293	288	288	286	83
25°	267	263	255	252	249	123
35°	230	224	214	207	204	144
45°	188	181	168	159	156	145
55°	143	135	122	112	108	128
65°	97	89	76	67	63	96
75°	52	44	35	30	28	54
85°	13	9	8	7	7	15
90°	0	0	0	0	0	



TEST NUMBER: P888054

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	309.8	309.8	309.8	309.8	309.8
2.5°	310.5	309.8	307.5	309.8	309.6
5°	309.4	308.5	305.8	308.1	307.7
7.5°	307.0	306.1	303.0	304.9	304.5
10°	303.5	302.8	299.5	300.2	299.5
12.5°	299.5	298.6	293.9	294.3	293.2
15°	294.2	292.7	287.8	287.6	285.5
17.5°	288.5	286.4	280.5	279.4	277.8
20°	281.7	279.4	271.9	270.7	268.6
22.5°	274.2	271.9	264.0	261.4	259.7
25°	266.7	263.2	254.6	251.5	249.0
27.5°	258.4	254.1	245.0	241.0	238.5
30°	249.0	244.6	234.7	229.4	227.2
32.5°	239.8	234.5	224.4	218.3	215.6
35°	229.8	224.2	213.7	206.9	203.6
37.5°	220.2	213.4	202.6	194.7	191.4
40°	209.9	202.9	191.6	182.7	180.0
42.5°	199.1	191.9	180.1	171.8	167.3
45°	188.1	181.4	168.5	159.1	155.6
47.5°	176.6	169.7	156.7	147.2	143.2
50°	165.9	158.2	144.8	135.0	131.5
52.5°	154.2	146.3	133.8	123.1	119.5
55°	142.8	135.3	122.2	111.6	107.9
57.5°	131.0	123.1	110.5	100.1	96.9
60°	119.8	111.6	99.0	88.7	85.2
62.5°	107.9	100.1	87.3	77.9	74.4
65°	96.7	88.7	76.3	66.9	63.4
67.5°	85.4	77.5	65.5	56.6	53.9
70°	74.0	66.0	54.3	47.0	44.2
72.5°	62.7	55.0	44.2	37.7	36.1
75°	51.5	44.4	34.6	29.5	27.9
77.5°	40.0	34.4	26.2	22.3	20.8
80°	30.4	24.8	18.3	16.1	15.7
82.5°	21.1	16.1	12.2	11.4	11.2
85°	12.8	8.6	7.5	7.2	7.0
87.5°	5.4	3.7	3.5	3.5	3.3
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)