

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: PORTFOLIO

Report Number: P844478

Luminaire Tested: **LD6C40DE010B35 EU6C40B35 6LBMGPH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B35 EU6C40B35 6LBMGPH
Description:
Light Source: -
Ballast/Driver:

Summary

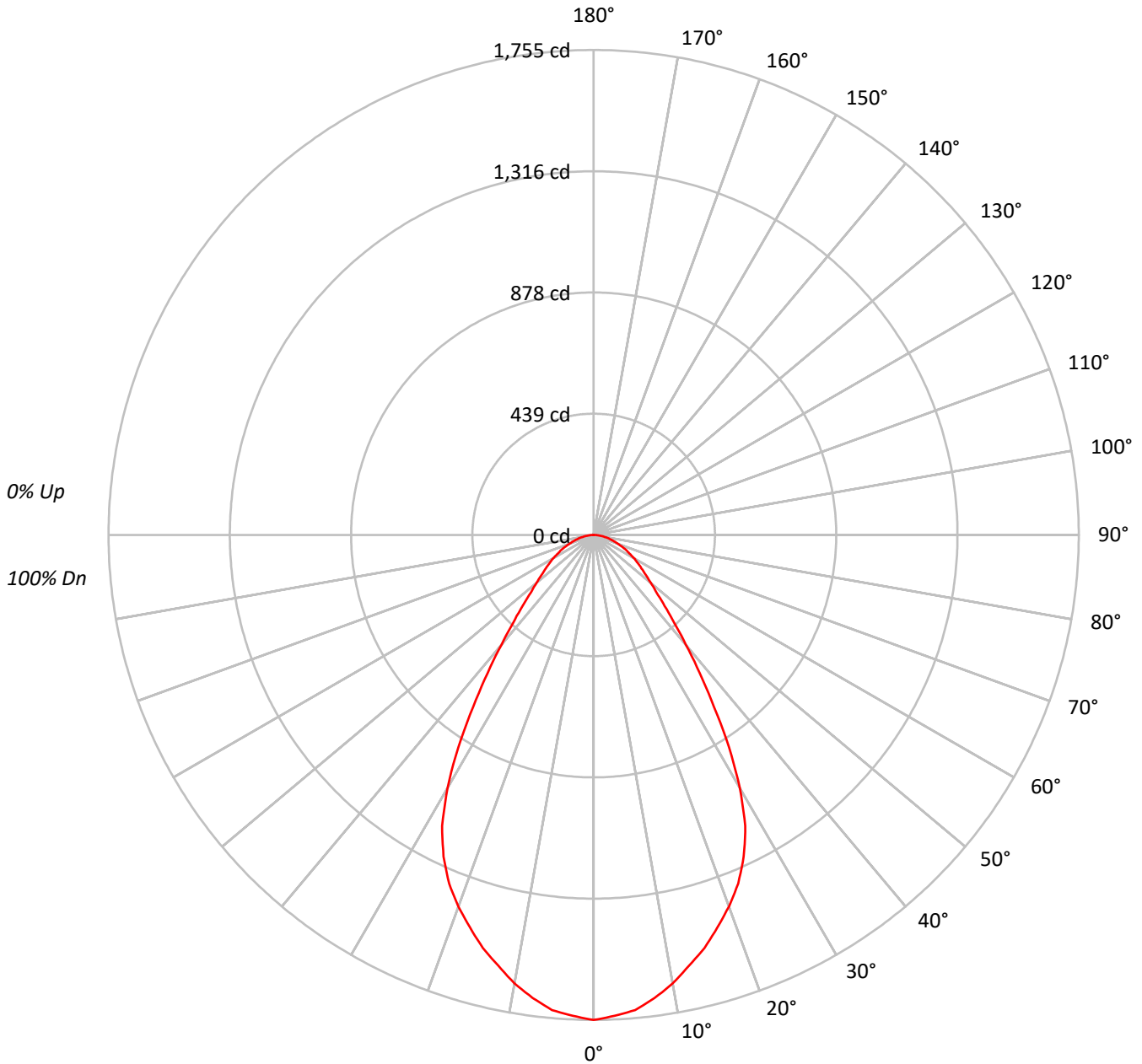
Lumens per Lamp: N/A
Luminaire Lumens: 2352.1 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
Input Voltage (V):
Input Current (Ain): 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: P844478

CATALOG NUMBER: LD6C40DE010B35 EU6C40B35 6LBMGPH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96215
5°	94981
10°	91743
15°	87827
20°	83465
25°	77708
30°	66941
35°	50808
40°	37148
45°	28166
50°	22967
55°	20157
60°	18496
65°	16837
70°	15067
75°	13725
80°	12281
85°	10190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	6.9
10°-20°	434.3	18.5
20°-30°	583.1	24.8
30°-40°	478.3	20.3
40°-50°	287.2	12.2
50°-60°	190.9	8.1
60°-70°	127.9	5.4
70°-80°	68.8	2.9
80°-90°	19.4	0.8
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°	1179.5	50.1
0°-40°	1657.8	70.5
0°-60°	2136.0	90.8
0°-90°	2352.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2352.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1755	
5°	1726	162
15°	1548	434
25°	1285	583
35°	759	478
45°	363	287
55°	211	191
65°	130	128
75°	65	69
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1755.1
2.5°	1742.1
5°	1726.0
7.5°	1690.2
10°	1648.1
12.5°	1596.1
15°	1547.5
17.5°	1489.0
20°	1430.7
22.5°	1365.8
25°	1284.7
27.5°	1187.4
30°	1057.5
32.5°	911.6
35°	759.2
37.5°	629.4
40°	519.1
42.5°	431.5
45°	363.3
47.5°	308.2
50°	269.3
52.5°	236.8
55°	210.9
57.5°	188.2
60°	168.7
62.5°	146.0
65°	129.8
67.5°	110.3
70°	94.0
72.5°	77.8
75°	64.8
77.5°	51.8
80°	38.9
82.5°	29.2
85°	16.2
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)