

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: P563936

Luminaire Tested: **LX6C35D010 EX6C359030 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C35D010 EX6C359030 6LBNH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

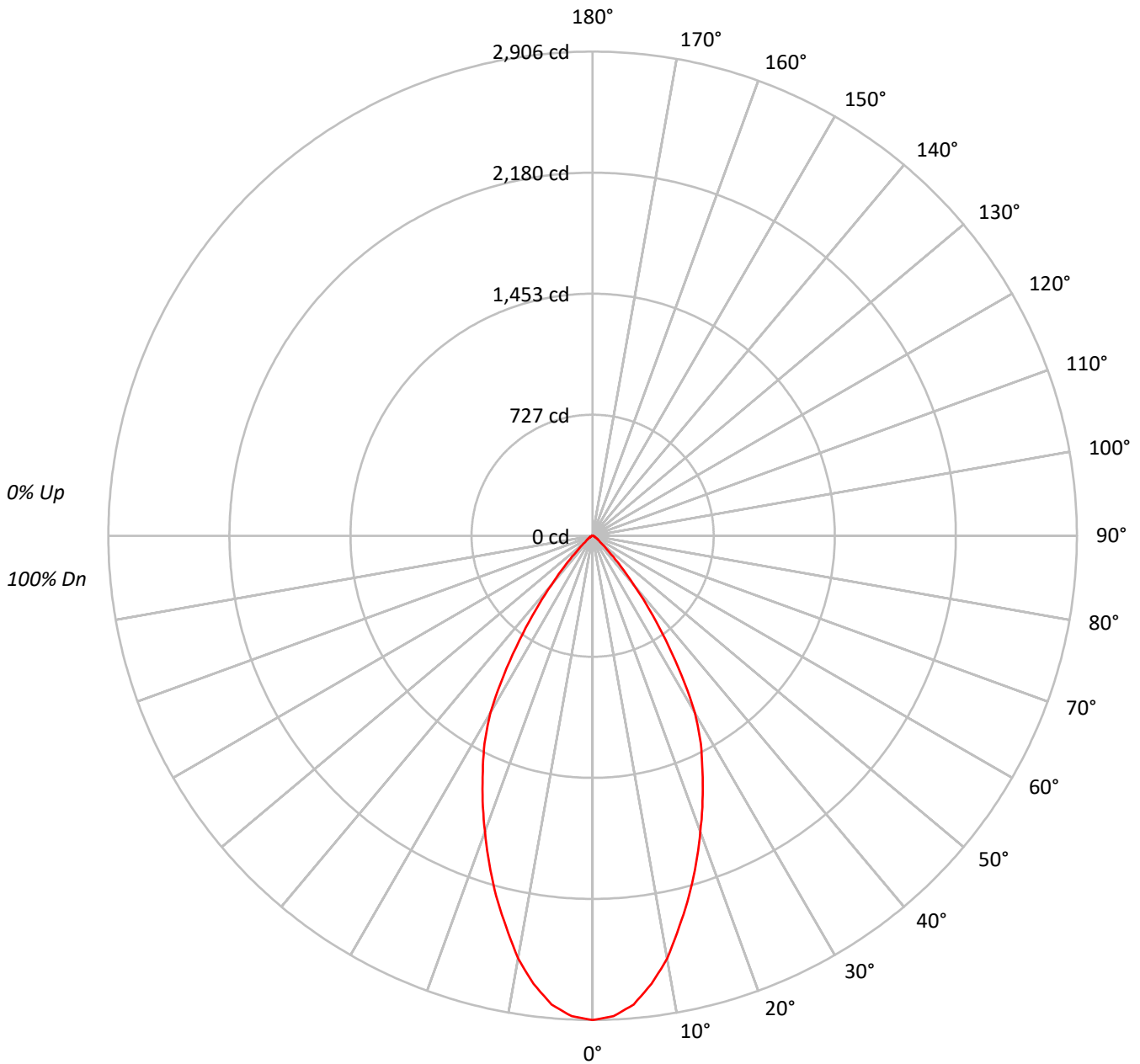
Lumens per Lamp: N/A
Luminaire Lumens: 2267.4 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
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				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159335
5°	155387
10°	143384
15°	126942
20°	110219
25°	94282
30°	77727
35°	51183
40°	27516
45°	12187
50°	4938
55°	3555
60°	2259
65°	1621
70°	1330
75°	890
80°	1326
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.4	11.5
10°-20°	623.3	27.5
20°-30°	714.1	31.5
30°-40°	479.7	21.2
40°-50°	137.1	6.0
50°-60°	33.6	1.5
60°-70°	12.8	0.6
70°-80°	5.0	0.2
80°-90°	0.6	0.0
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°	1598.7	70.5
0°-40°	2078.5	91.7
0°-60°	2249.1	99.2
0°-90°	2267.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2267.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2906	
5°	2824	261
15°	2237	623
25°	1559	714
35°	765	480
45°	157	137
55°	37	34
65°	12	13
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2906.5
2.5°	2885.9
5°	2823.7
7.5°	2712.1
10°	2575.8
12.5°	2402.0
15°	2236.7
17.5°	2063.1
20°	1889.3
22.5°	1724.1
25°	1558.7
27.5°	1405.7
30°	1227.9
32.5°	992.2
35°	764.8
37.5°	558.1
40°	384.5
42.5°	252.2
45°	157.2
47.5°	95.0
50°	57.9
52.5°	45.5
55°	37.2
57.5°	29.0
60°	20.6
62.5°	16.5
65°	12.5
67.5°	8.3
70°	8.3
72.5°	4.2
75°	4.2
77.5°	4.2
80°	4.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)