

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: P243865

Luminaire Tested: **LD8B15D010 ER8B159730 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B159730 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1199.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

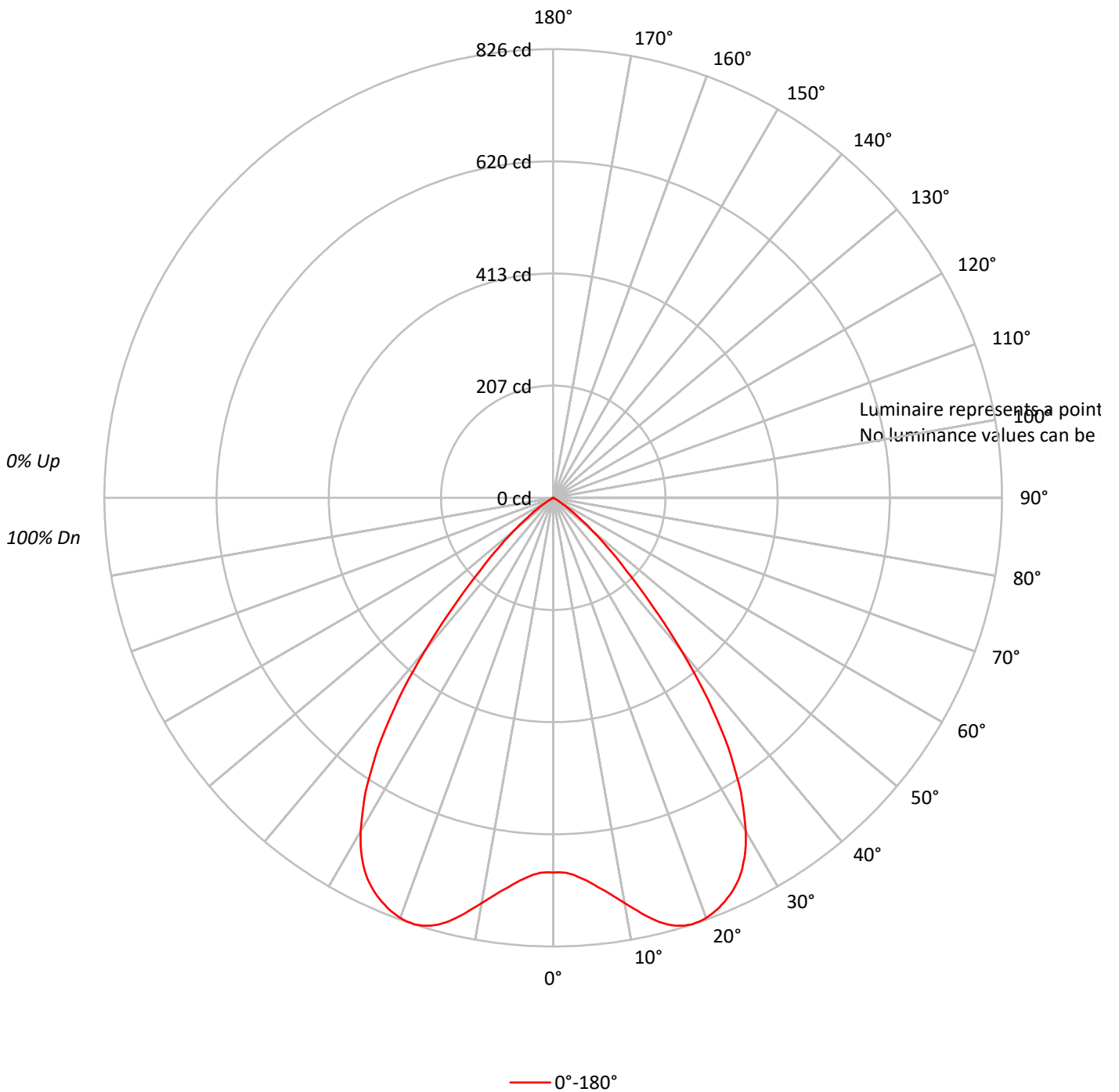
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	5.8
10°-20°	229.2	19.1
20°-30°	360.6	30.1
30°-40°	343.0	28.6
40°-50°	158.1	13.2
50°-60°	35.9	3.0
60°-70°	2.4	0.2
70°-80°	0.5	0.0
80°-90°	0.0	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°	659.0	55.0
0°-40°	1002.0	83.6
0°-60°	1196.1	99.8
0°-90°	1199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	690	
5°	708	69
15°	813	229
25°	791	361
35°	562	343
45°	194	158
55°	35	36
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	689.9
1°	689.5
2°	690.9
3°	694.8
4°	700.7
5°	707.6
6°	716.1
7°	725.3
8°	734.8
9°	746.0
10°	757.8
11°	769.6
12°	782.0
13°	793.9
14°	804.7
15°	813.2
16°	819.4
17°	823.7
18°	825.7
19°	825.3
20°	823.1
21°	819.1
22°	814.2
23°	807.6
24°	800.1
25°	790.9
26°	780.1
27°	766.3
28°	749.9
29°	730.9
30°	708.9
32.5°	643.0
35°	562.3
37.5°	468.4
40°	366.1
42.5°	270.6
45°	193.5
47.5°	137.1
50°	94.5
52.5°	60.4
55°	34.8
57.5°	17.4
60°	7.5
62.5°	3.0
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	0.7
72.5°	0.7
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)