

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: P244441

Luminaire Tested: **LD8B15D010 ER8B159730 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B159730 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1106.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

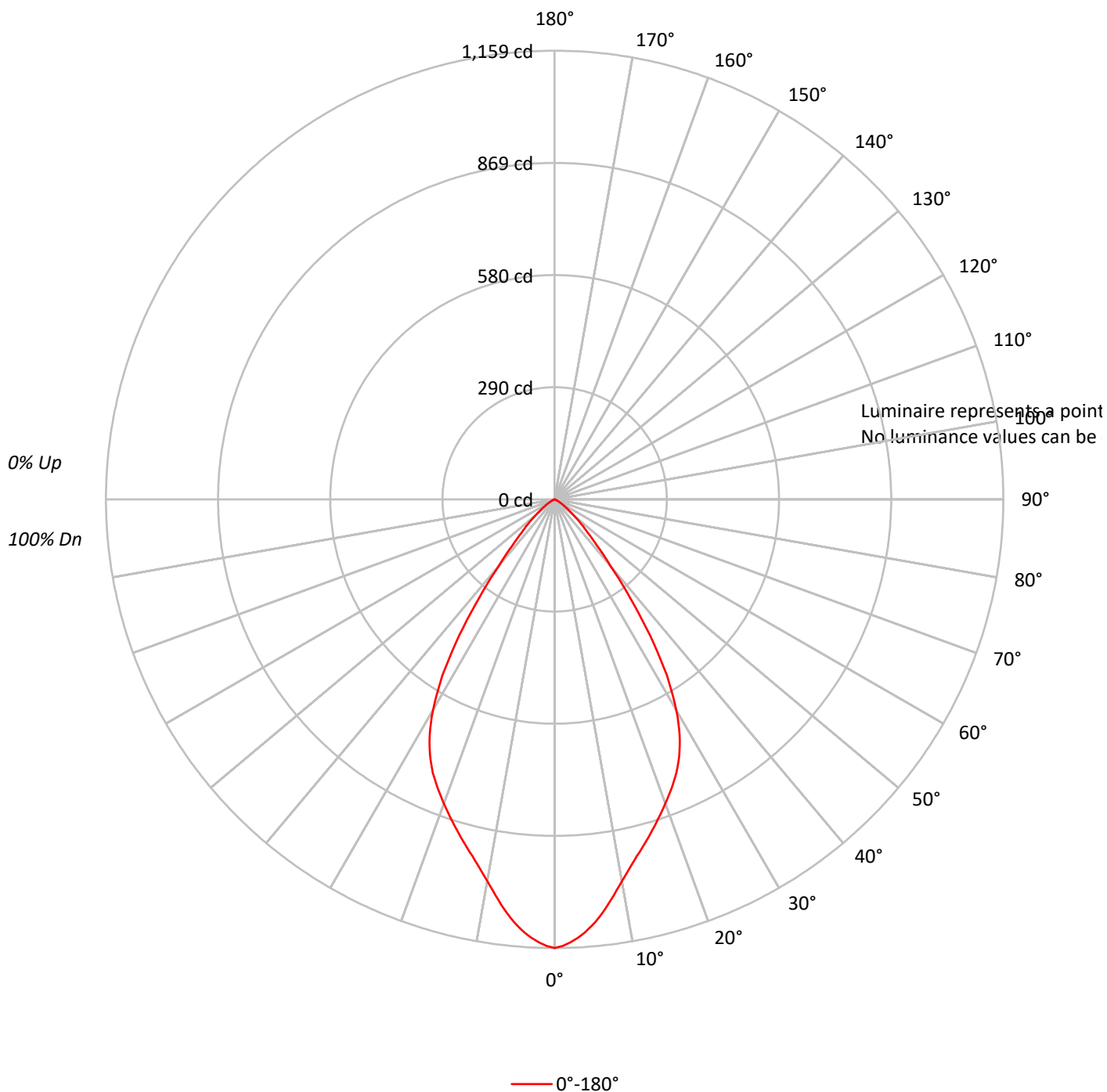
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244441

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBM0H

Luminous Intensity Polar Plot





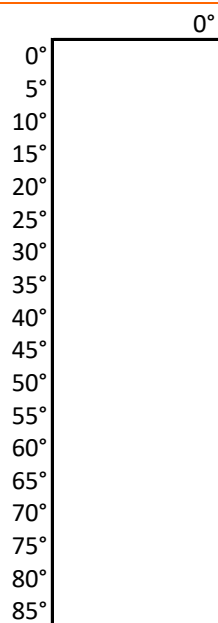
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20						20
RC	80					70					50					30						10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95	
2	107	102	98	94		105	100	96	93		97	94	91		94	91	89		91	89	87	
3	101	94	89	85		99	93	88	84		90	86	83		88	84	82		86	83	80	
4	96	88	82	77		94	86	81	77		84	80	76		82	78	75		80	77	74	
5	90	82	75	71		89	81	75	70		79	74	70		77	73	69		75	72	69	
6	85	76	70	65		84	75	69	65		74	68	64		72	68	64		71	67	64	
7	81	71	65	60		80	70	64	60		69	64	60		68	63	59		67	62	59	
8	77	67	60	56		75	66	60	56		65	59	56		64	59	55		63	58	55	
9	73	63	56	52		72	62	56	52		61	56	52		60	55	52		59	55	51	
10	69	59	53	49		68	58	53	49		58	52	48		57	52	48		56	51	48	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	9.2
10°-20°	256.9	23.2
20°-30°	342.8	31.0
30°-40°	264.2	23.9
40°-50°	98.5	8.9
50°-60°	32.2	2.9
60°-70°	7.4	0.7
70°-80°	1.5	0.1
80°-90°	0.2	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°	701.9	63.5
0°-40°	966.1	87.4
0°-60°	1096.9	99.2
0°-90°	1106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1159	
5°	1106	102
15°	914	257
25°	755	343
35°	430	264
45°	120	99
55°	34	32
65°	7	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1158.9
1°	1153.9
2°	1145.5
3°	1134.6
4°	1121.4
5°	1105.6
6°	1087.6
7°	1067.0
8°	1045.1
9°	1022.3
10°	1001.5
11°	981.4
12°	962.6
13°	945.4
14°	929.6
15°	914.0
16°	898.1
17°	882.8
18°	867.0
19°	851.4
20°	836.3
21°	820.7
22°	805.7
23°	789.8
24°	773.2
25°	754.7
26°	734.3
27°	711.9
28°	687.0
29°	659.3
30°	628.9
32.5°	539.8
35°	429.9
37.5°	318.4
40°	225.4
42.5°	161.4
45°	119.7
47.5°	90.1
50°	66.6
52.5°	47.6
55°	33.8
57.5°	23.3
60°	15.3
62.5°	10.0
65°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.5
70°	2.9
72.5°	1.8
75°	1.3
77.5°	0.8
80°	0.5
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)