

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: P244273

Luminaire Tested: **LSR8B15D010 EC8B15935 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15935 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1309.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

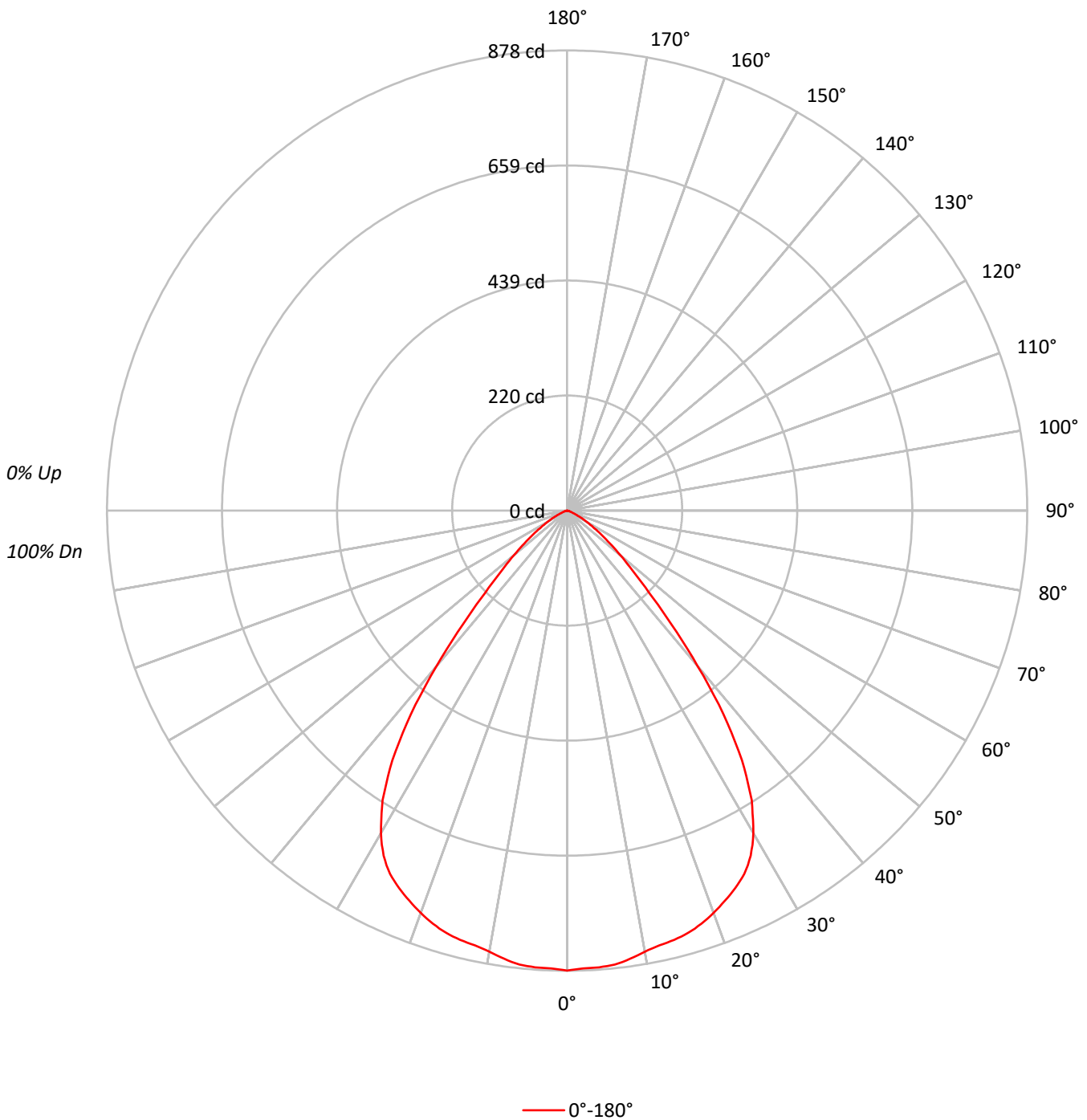
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27065
5°	27004
10°	26762
15°	26861
20°	26804
25°	26542
30°	25299
35°	21905
40°	15627
45°	9603
50°	6332
55°	4188
60°	2683
65°	1467
70°	712
75°	357
80°	195
85°	142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	6.3
10°-20°	237.3	18.1
20°-30°	357.1	27.3
30°-40°	353.6	27.0
40°-50°	179.7	13.7
50°-60°	72.4	5.5
60°-70°	21.9	1.7
70°-80°	3.8	0.3
80°-90°	0.5	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°	677.2	51.7
0°-40°	1030.8	78.7
0°-60°	1282.8	98.0
0°-90°	1309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	878	
5°	872	83
15°	841	237
25°	780	357
35°	582	354
45°	220	180
55°	78	72
65°	20	22
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	877.7
1°	875.8
2°	874.3
3°	874.0
4°	873.6
5°	872.4
6°	870.9
7°	867.9
8°	863.4
9°	859.2
10°	854.7
11°	850.9
12°	848.2
13°	846.3
14°	844.1
15°	841.4
16°	838.0
17°	833.8
18°	828.9
19°	823.3
20°	816.8
21°	810.0
22°	803.2
23°	796.0
24°	788.4
25°	780.1
26°	771.0
27°	759.3
28°	745.7
29°	729.4
30°	710.5
32.5°	655.3
35°	581.9
37.5°	490.3
40°	388.2
42.5°	293.2
45°	220.2
47.5°	168.4
50°	132.0
52.5°	102.5
55°	77.9
57.5°	57.9
60°	43.5
62.5°	31.0
65°	20.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.5
70°	7.9
72.5°	4.9
75°	3.0
77.5°	1.9
80°	1.1
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)