

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: P244254

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244254
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: LSR8B10D010 EC8B10850 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1148.0 lumens
Efficiency: N/A
Efficacy: 112.6 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

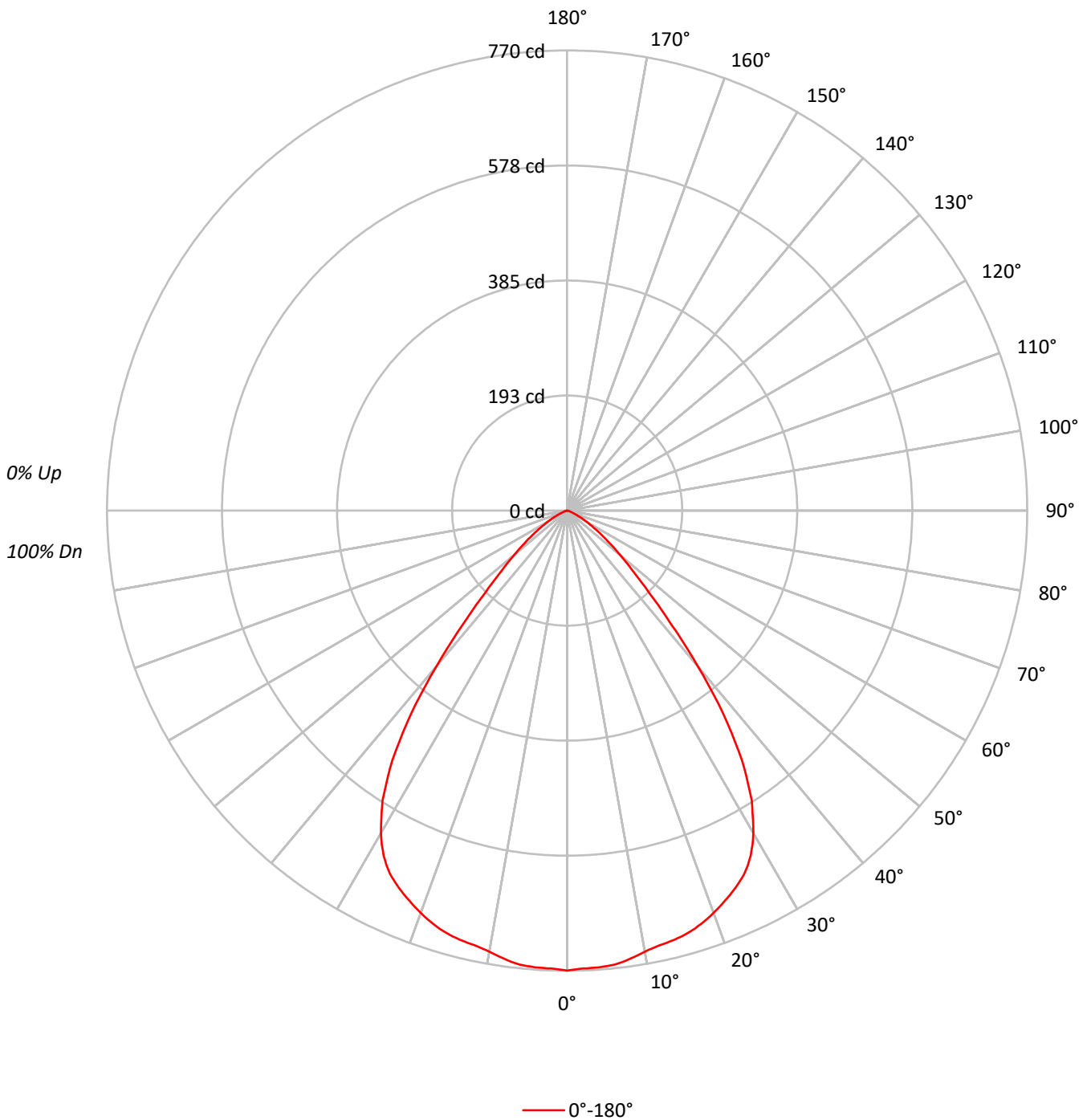
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	64	59	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°	23738
5°	23683
10°	23468
15°	23557
20°	23509
25°	23279
30°	22187
35°	19210
40°	13702
45°	8421
50°	5555
55°	3677
60°	2356
65°	1284
70°	631
75°	322
80°	178
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	6.3
10°-20°	208.1	18.1
20°-30°	313.2	27.3
30°-40°	310.1	27.0
40°-50°	157.6	13.7
50°-60°	63.5	5.5
60°-70°	19.2	1.7
70°-80°	3.3	0.3
80°-90°	0.4	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°	593.9	51.7
0°-40°	904.0	78.7
0°-60°	1125.1	98.0
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	770	
5°	765	73
15°	738	208
25°	684	313
35°	510	310
45°	193	158
55°	68	64
65°	18	19
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	769.8
1°	768.1
2°	766.8
3°	766.5
4°	766.1
5°	765.1
6°	763.8
7°	761.2
8°	757.2
9°	753.5
10°	749.5
11°	746.2
12°	743.9
13°	742.2
14°	740.2
15°	737.9
16°	734.9
17°	731.3
18°	727.0
19°	722.0
20°	716.4
21°	710.4
22°	704.4
23°	698.1
24°	691.5
25°	684.2
26°	676.2
27°	665.9
28°	654.0
29°	639.7
30°	623.1
32.5°	574.7
35°	510.3
37.5°	430.0
40°	340.4
42.5°	257.1
45°	193.1
47.5°	147.7
50°	115.8
52.5°	89.9
55°	68.4
57.5°	50.8
60°	38.2
62.5°	27.2
65°	17.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.9
70°	7.0
72.5°	4.3
75°	2.7
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)