

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: P244688

Luminaire Tested: **LSR8B20D010 EC8B20850 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20850 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.0 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

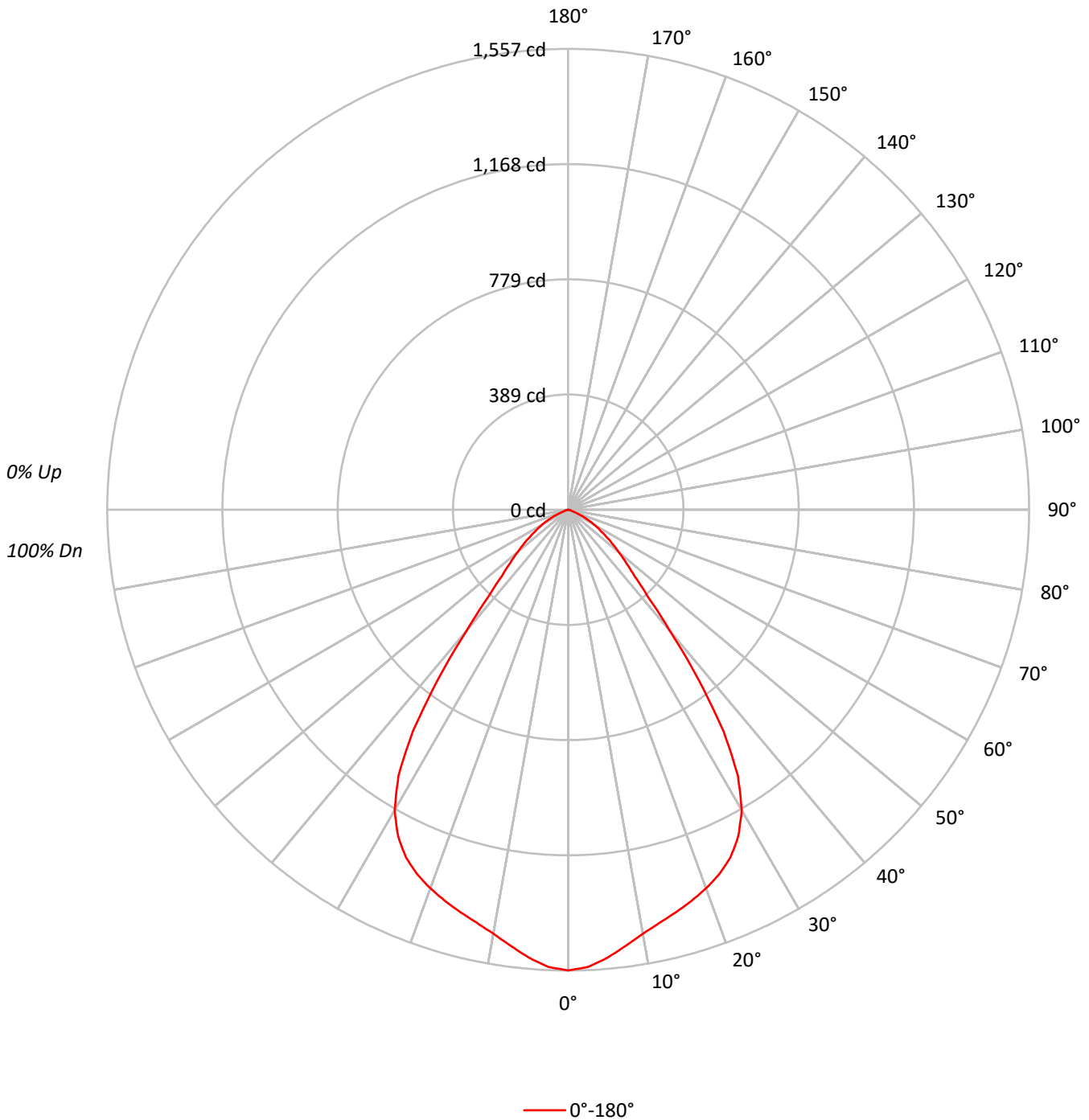
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
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	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48003
5°	47038
10°	45546
15°	44933
20°	44665
25°	44102
30°	41731
35°	34418
40°	21492
45°	13820
50°	10717
55°	8252
60°	6254
65°	4064
70°	1740
75°	846
80°	373
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	6.7
10°-20°	397.6	18.5
20°-30°	592.3	27.6
30°-40°	550.0	25.6
40°-50°	259.8	12.1
50°-60°	139.6	6.5
60°-70°	56.0	2.6
70°-80°	8.8	0.4
80°-90°	0.9	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°	1132.9	52.7
0°-40°	1682.9	78.3
0°-60°	2082.3	96.9
0°-90°	2148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1557	
5°	1520	143
15°	1408	398
25°	1296	592
35°	914	550
45°	317	260
55°	154	140
65°	56	56
75°	7	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1556.7
2.5°	1546.0
5°	1519.6
7.5°	1486.0
10°	1454.6
12.5°	1428.9
15°	1407.5
17.5°	1385.4
20°	1361.1
22.5°	1333.3
25°	1296.2
27.5°	1244.1
30°	1172.0
32.5°	1066.3
35°	914.3
37.5°	720.2
40°	533.9
42.5°	397.6
45°	316.9
47.5°	264.8
50°	223.4
52.5°	186.3
55°	153.5
57.5°	124.9
60°	101.4
62.5°	79.2
65°	55.7
67.5°	32.8
70°	19.3
72.5°	11.4
75°	7.1
77.5°	4.3
80°	2.1
82.5°	1.4
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)