

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: P244682

Luminaire Tested: **LSR8B20D010 EC8B20840 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244682
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 EC8B20840 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2107.0 lumens
Efficiency: N/A
Efficacy: 98.9 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

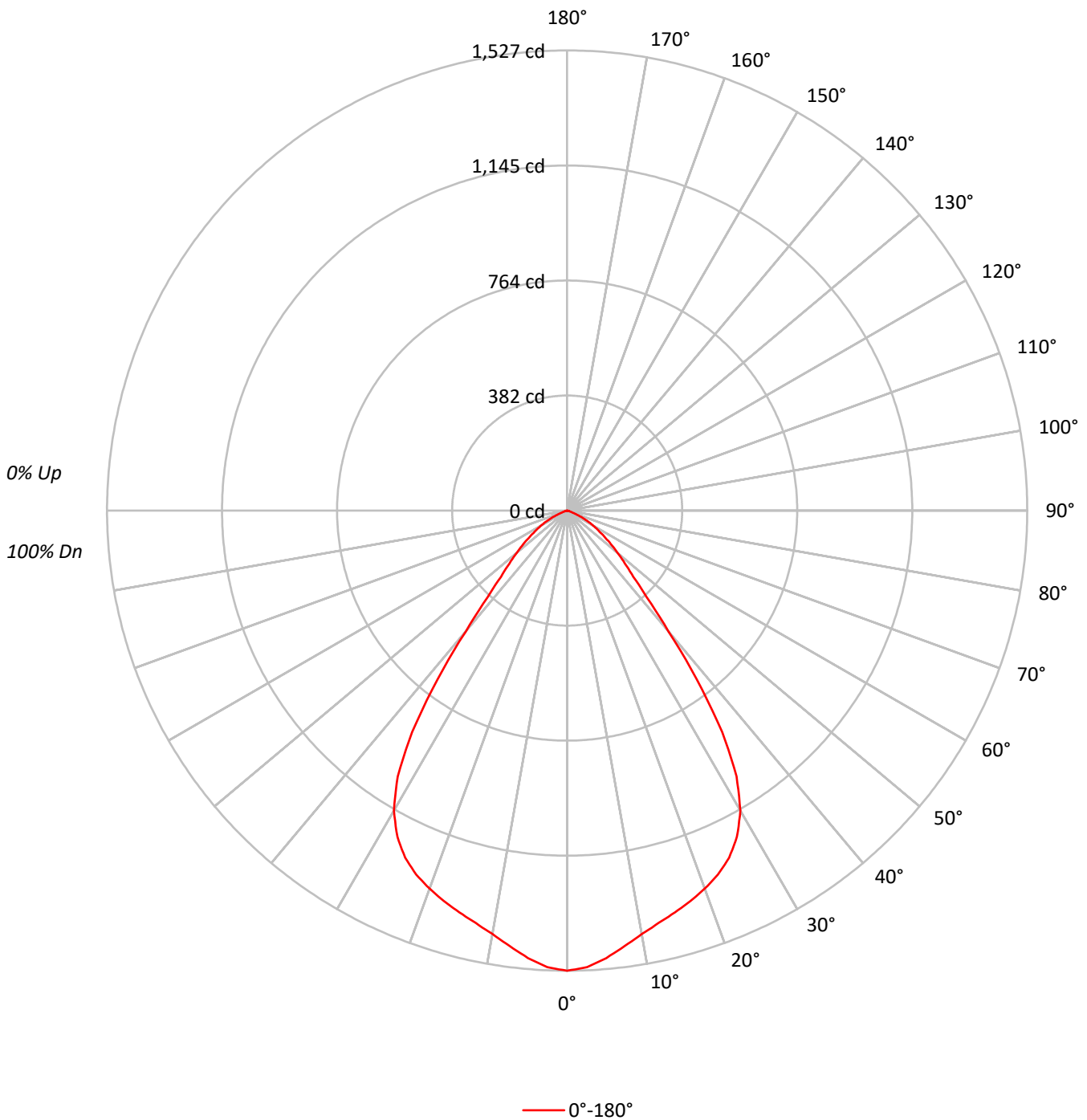
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	47087
5°	46137
10°	44676
15°	44074
20°	43812
25°	43258
30°	40933
35°	33763
40°	21081
45°	13558
50°	10511
55°	8091
60°	6130
65°	3984
70°	1704
75°	834
80°	373
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	6.7
10°-20°	390.0	18.5
20°-30°	581.0	27.6
30°-40°	539.6	25.6
40°-50°	254.8	12.1
50°-60°	136.9	6.5
60°-70°	55.0	2.6
70°-80°	8.6	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°	1111.2	52.7
0°-40°	1650.8	78.3
0°-60°	2042.5	96.9
0°-90°	2107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2107.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1527	
5°	1490	140
15°	1381	390
25°	1271	581
35°	897	540
45°	311	255
55°	150	137
65°	55	55
75°	7	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1527.0
2.5°	1516.5
5°	1490.5
7.5°	1457.6
10°	1426.8
12.5°	1401.6
15°	1380.6
17.5°	1358.9
20°	1335.1
22.5°	1307.8
25°	1271.4
27.5°	1220.3
30°	1149.6
32.5°	1046.0
35°	896.9
37.5°	706.4
40°	523.7
42.5°	390.0
45°	310.9
47.5°	259.7
50°	219.1
52.5°	182.7
55°	150.5
57.5°	122.5
60°	99.4
62.5°	77.7
65°	54.6
67.5°	32.2
70°	18.9
72.5°	11.2
75°	7.0
77.5°	4.2
80°	2.1
82.5°	1.4
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)