

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: P244898

Luminaire Tested: **LSR8B20D010 EC8B20840 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20840 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 2317.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

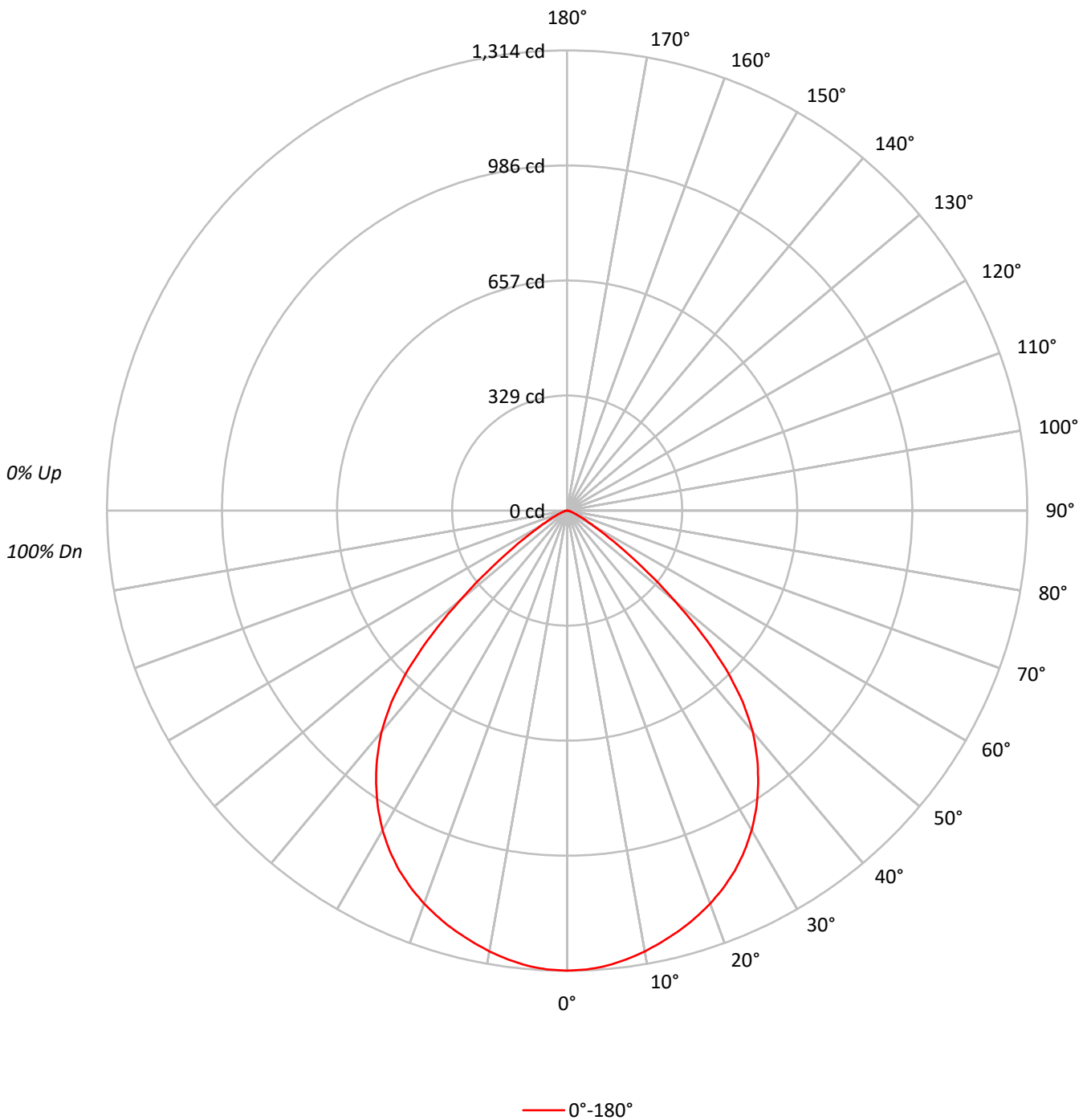
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40510
5°	40383
10°	40023
15°	39624
20°	39198
25°	38580
30°	37522
35°	35811
40°	33189
45°	28023
50°	19223
55°	10602
60°	5329
65°	2999
70°	1632
75°	1168
80°	746
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	5.3
10°-20°	350.0	15.1
20°-30°	521.2	22.5
30°-40°	592.0	25.6
40°-50°	483.9	20.9
50°-60°	189.6	8.2
60°-70°	44.2	1.9
70°-80°	10.6	0.5
80°-90°	1.7	0.1
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°	994.9	42.9
0°-40°	1586.9	68.5
0°-60°	2260.5	97.6
0°-90°	2317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2317.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1314	
5°	1305	124
15°	1241	350
25°	1134	521
35°	951	592
45°	643	484
55°	197	190
65°	41	44
75°	10	11
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1313.7
2.5°	1311.6
5°	1304.6
7.5°	1292.8
10°	1278.2
12.5°	1260.0
15°	1241.2
17.5°	1218.9
20°	1194.5
22.5°	1166.0
25°	1133.9
27.5°	1096.3
30°	1053.8
32.5°	1005.7
35°	951.3
37.5°	891.4
40°	824.5
42.5°	743.6
45°	642.6
47.5°	524.1
50°	400.7
52.5°	287.8
55°	197.2
57.5°	128.9
60°	86.4
62.5°	59.2
65°	41.1
67.5°	27.2
70°	18.1
72.5°	12.5
75°	9.8
77.5°	7.0
80°	4.2
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)