

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: P244676

Luminaire Tested: **LSR8B20D010 EC8B20835 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244676
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 EC8B20835 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2121.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

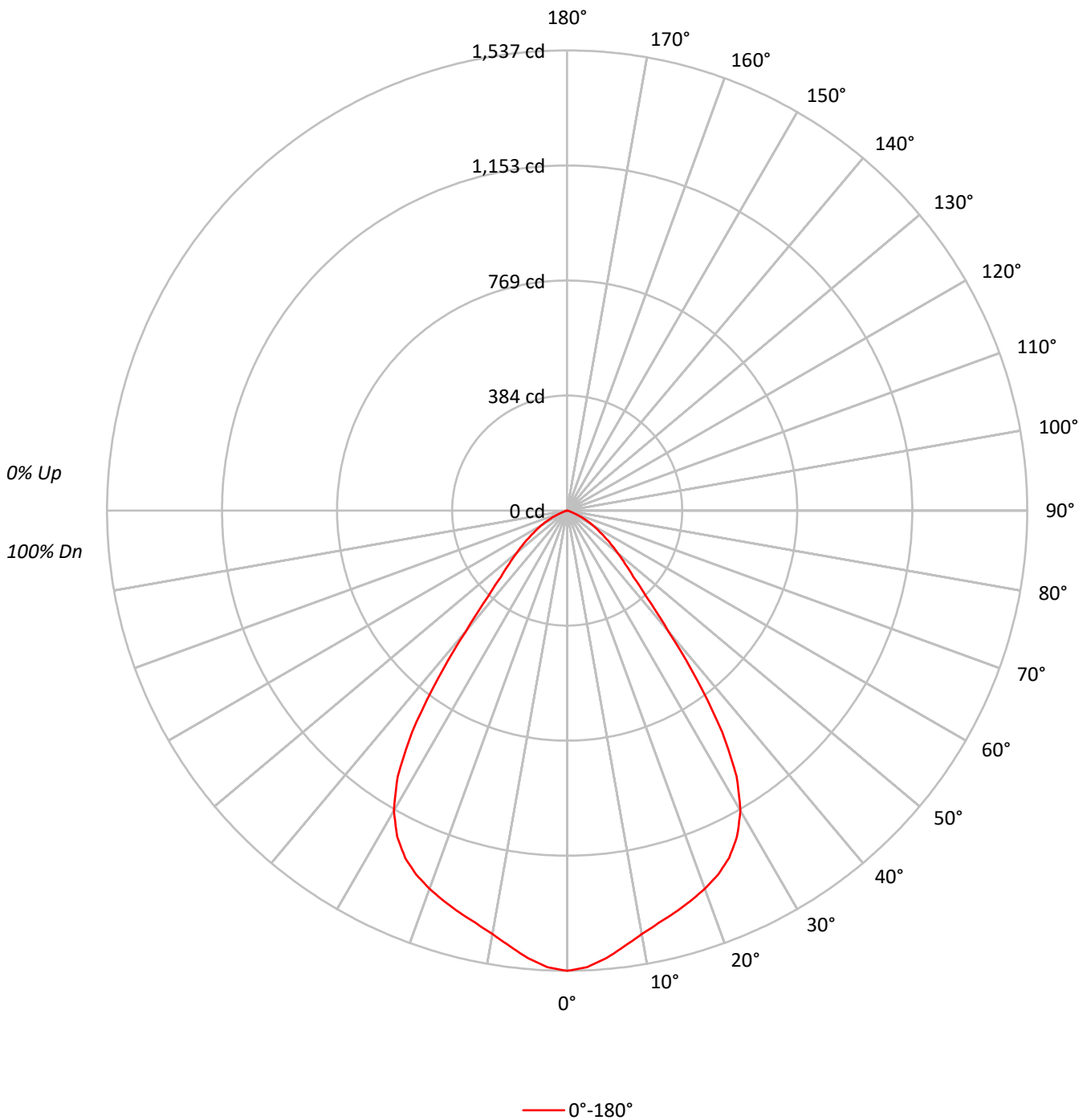
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244676

CATALOG NUMBER: LSR8B20D010 EC8B20835 8LBW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P244676

CATALOG NUMBER: LSR8B20D010 EC8B20835 8LBW0WMH

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°	47398
5°	46447
10°	44973
15°	44368
20°	44104
25°	43547
30°	41204
35°	33985
40°	21222
45°	13645
50°	10583
55°	8145
60°	6173
65°	4013
70°	1713
75°	834
80°	373
85°	248



TEST NUMBER: P244676

CATALOG NUMBER: LSR8B20D010 EC8B20835 8LBW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	6.7
10°-20°	392.6	18.5
20°-30°	584.8	27.6
30°-40°	543.1	25.6
40°-50°	256.6	12.1
50°-60°	137.8	6.5
60°-70°	55.3	2.6
70°-80°	8.7	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°	1118.6	52.7
0°-40°	1661.7	78.3
0°-60°	2056.1	96.9
0°-90°	2121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2121.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1537	
5°	1500	141
15°	1390	393
25°	1280	585
35°	903	543
45°	313	257
55°	152	138
65°	55	55
75°	7	9
85°	1	1
90°	0	



TEST NUMBER: P244676

CATALOG NUMBER: LSR8B20D010 EC8B20835 8LBW0WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1537.1
2.5°	1526.5
5°	1500.5
7.5°	1467.3
10°	1436.3
12.5°	1410.9
15°	1389.8
17.5°	1368.0
20°	1344.0
22.5°	1316.5
25°	1279.9
27.5°	1228.4
30°	1157.2
32.5°	1052.9
35°	902.8
37.5°	711.1
40°	527.2
42.5°	392.6
45°	312.9
47.5°	261.5
50°	220.6
52.5°	183.9
55°	151.5
57.5°	123.3
60°	100.1
62.5°	78.2
65°	55.0
67.5°	32.4
70°	19.0
72.5°	11.3
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)