

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: P244706

Luminaire Tested: **LSR8B20D010 EC8B20935 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244706
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 EC8B20935 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1808.0 lumens
Efficiency: N/A
Efficacy: 84.9 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

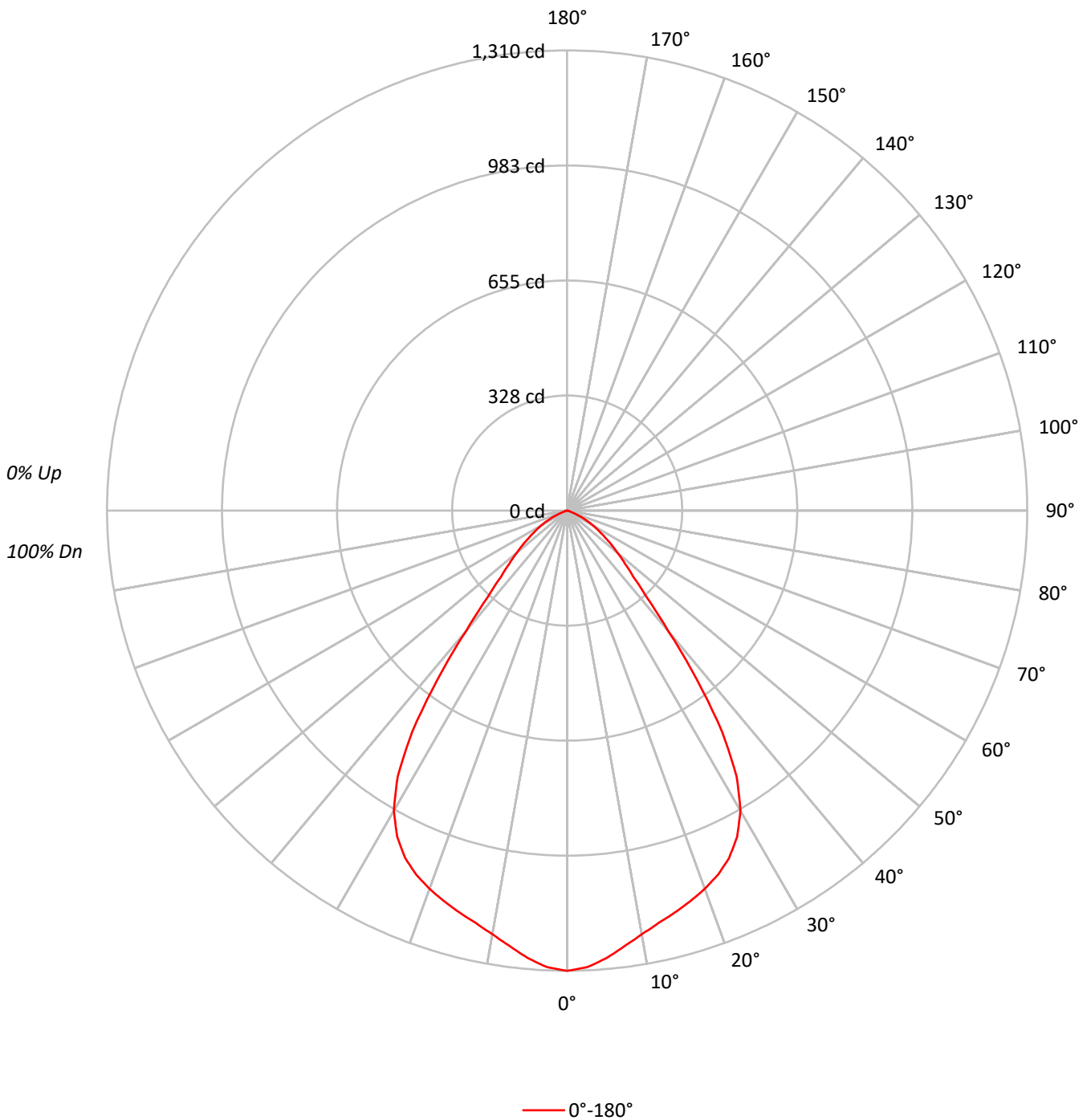
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40405
5°	39590
10°	38338
15°	37820
20°	37597
25°	37120
30°	35126
35°	28971
40°	18090
45°	11631
50°	9019
55°	6946
60°	5261
65°	3422
70°	1461
75°	715
80°	320
85°	212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	6.7
10°-20°	334.7	18.5
20°-30°	498.5	27.6
30°-40°	463.0	25.6
40°-50°	218.7	12.1
50°-60°	117.5	6.5
60°-70°	47.2	2.6
70°-80°	7.4	0.4
80°-90°	0.7	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°	953.5	52.7
0°-40°	1416.5	78.3
0°-60°	1752.7	96.9
0°-90°	1808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1808.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1310	
5°	1279	120
15°	1185	335
25°	1091	499
35°	770	463
45°	267	219
55°	129	117
65°	47	47
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1310.3
2.5°	1301.3
5°	1279.0
7.5°	1250.8
10°	1224.4
12.5°	1202.7
15°	1184.7
17.5°	1166.1
20°	1145.7
22.5°	1122.2
25°	1091.0
27.5°	1047.1
30°	986.5
32.5°	897.5
35°	769.6
37.5°	606.2
40°	449.4
42.5°	334.6
45°	266.7
47.5°	222.9
50°	188.0
52.5°	156.8
55°	129.2
57.5°	105.1
60°	85.3
62.5°	66.7
65°	46.9
67.5°	27.6
70°	16.2
72.5°	9.6
75°	6.0
77.5°	3.6
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)