

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: P244718

Luminaire Tested: **LSR8B20D010 EC8B20950 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244718  
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 EC8B20950 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1955.0 lumens  
Efficiency: N/A  
Efficacy: 91.8 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

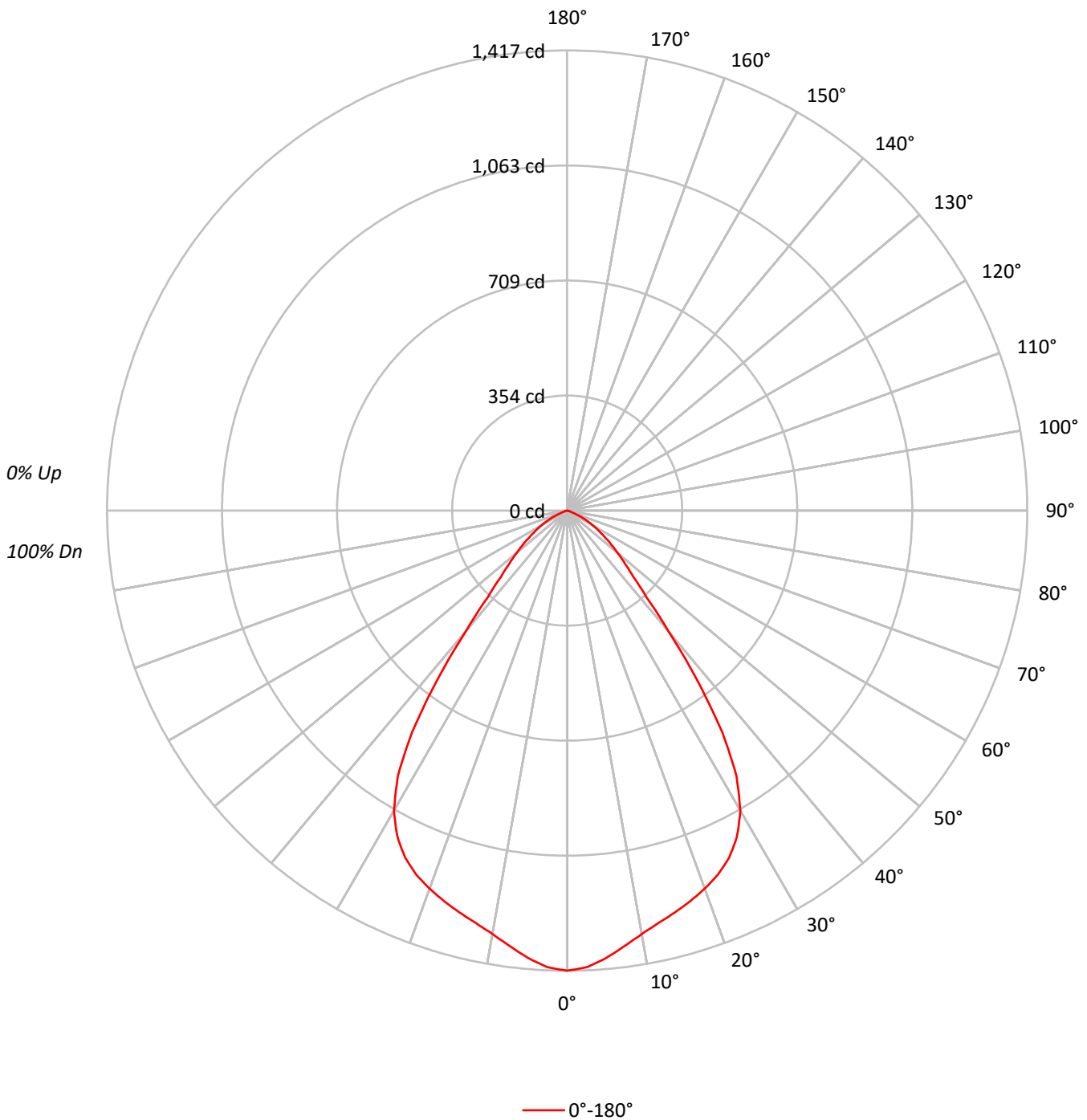
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	43689
5°	42810
10°	41454
15°	40895
20°	40652
25°	40138
30°	37982
35°	31327
40°	19559
45°	12577
50°	9753
55°	7510
60°	5686
65°	3699
70°	1578
75°	774
80°	337
85°	212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.1	6.7
10°-20°	361.9	18.5
20°-30°	539.1	27.6
30°-40°	500.6	25.6
40°-50°	236.4	12.1
50°-60°	127.0	6.5
60°-70°	51.0	2.6
70°-80°	8.0	0.4
80°-90°	0.8	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°	1031.1	52.7
0°-40°	1531.7	78.3
0°-60°	1895.2	96.9
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1417	
5°	1383	130
15°	1281	362
25°	1180	539
35°	832	501
45°	288	236
55°	140	127
65°	51	51
75°	6	8
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1416.8
2.5°	1407.1
5°	1383.0
7.5°	1352.5
10°	1323.9
12.5°	1300.5
15°	1281.0
17.5°	1260.9
20°	1238.8
22.5°	1213.5
25°	1179.7
27.5°	1132.3
30°	1066.7
32.5°	970.5
35°	832.2
37.5°	655.5
40°	485.9
42.5°	361.8
45°	288.4
47.5°	241.0
50°	203.3
52.5°	169.5
55°	139.7
57.5°	113.7
60°	92.2
62.5°	72.1
65°	50.7
67.5°	29.9
70°	17.5
72.5°	10.4
75°	6.5
77.5°	3.9
80°	1.9
82.5°	1.3
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)