

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: P244934

Luminaire Tested: **LD8B20D010 ER8B20950 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244934  
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: LD8B20D010 ER8B20950 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2150.9 lumens  
Efficiency: N/A  
Efficacy: 101.0 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

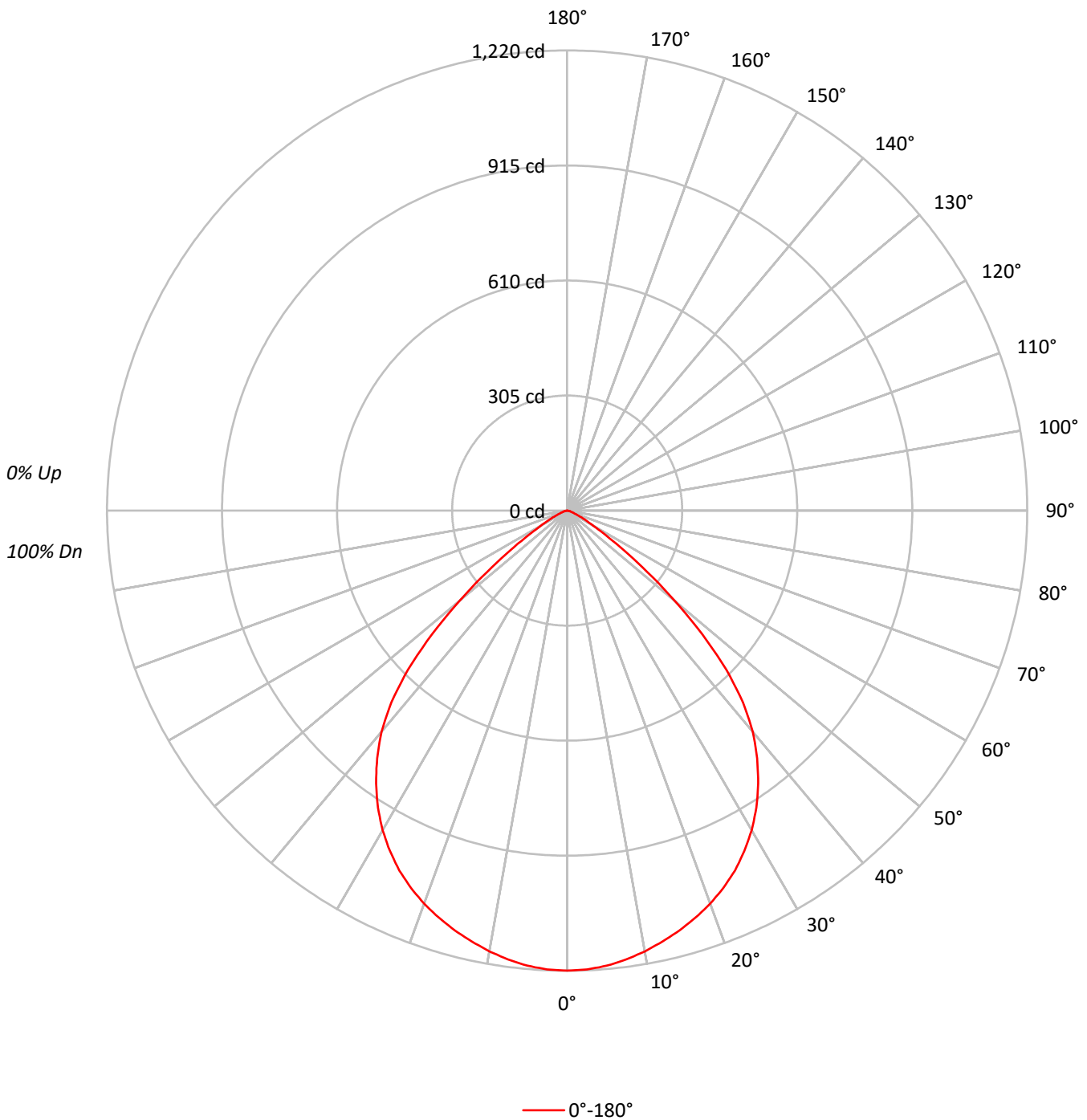
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	37608
5°	37492
10°	37155
15°	36786
20°	36389
25°	35817
30°	34834
35°	33244
40°	30810
45°	26013
50°	17846
55°	9844
60°	4946
65°	2787
70°	1515
75°	1084
80°	693
85°	460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.8	5.3
10°-20°	325.0	15.1
20°-30°	483.8	22.5
30°-40°	549.6	25.6
40°-50°	449.2	20.9
50°-60°	176.0	8.2
60°-70°	41.0	1.9
70°-80°	9.9	0.5
80°-90°	1.6	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°	923.6	42.9
0°-40°	1473.2	68.5
0°-60°	2098.5	97.6
0°-90°	2150.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2150.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1220	
5°	1211	115
15°	1152	325
25°	1053	484
35°	883	550
45°	596	449
55°	183	176
65°	38	41
75°	9	10
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1219.6
2.5°	1217.6
5°	1211.2
7.5°	1200.2
10°	1186.6
12.5°	1169.8
15°	1152.3
17.5°	1131.6
20°	1108.9
22.5°	1082.4
25°	1052.7
27.5°	1017.7
30°	978.3
32.5°	933.6
35°	883.1
37.5°	827.5
40°	765.4
42.5°	690.3
45°	596.5
47.5°	486.5
50°	372.0
52.5°	267.2
55°	183.1
57.5°	119.7
60°	80.2
62.5°	55.0
65°	38.2
67.5°	25.2
70°	16.8
72.5°	11.6
75°	9.1
77.5°	6.5
80°	3.9
82.5°	1.9
85°	1.3
87.5°	0.6
90°	0.0

(END OF REPORT)