

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: P245540

Luminaire Tested: **LD8B20D010 ER8B20835 8LBW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B20D010 ER8B20835 8LBW0GPH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1957.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

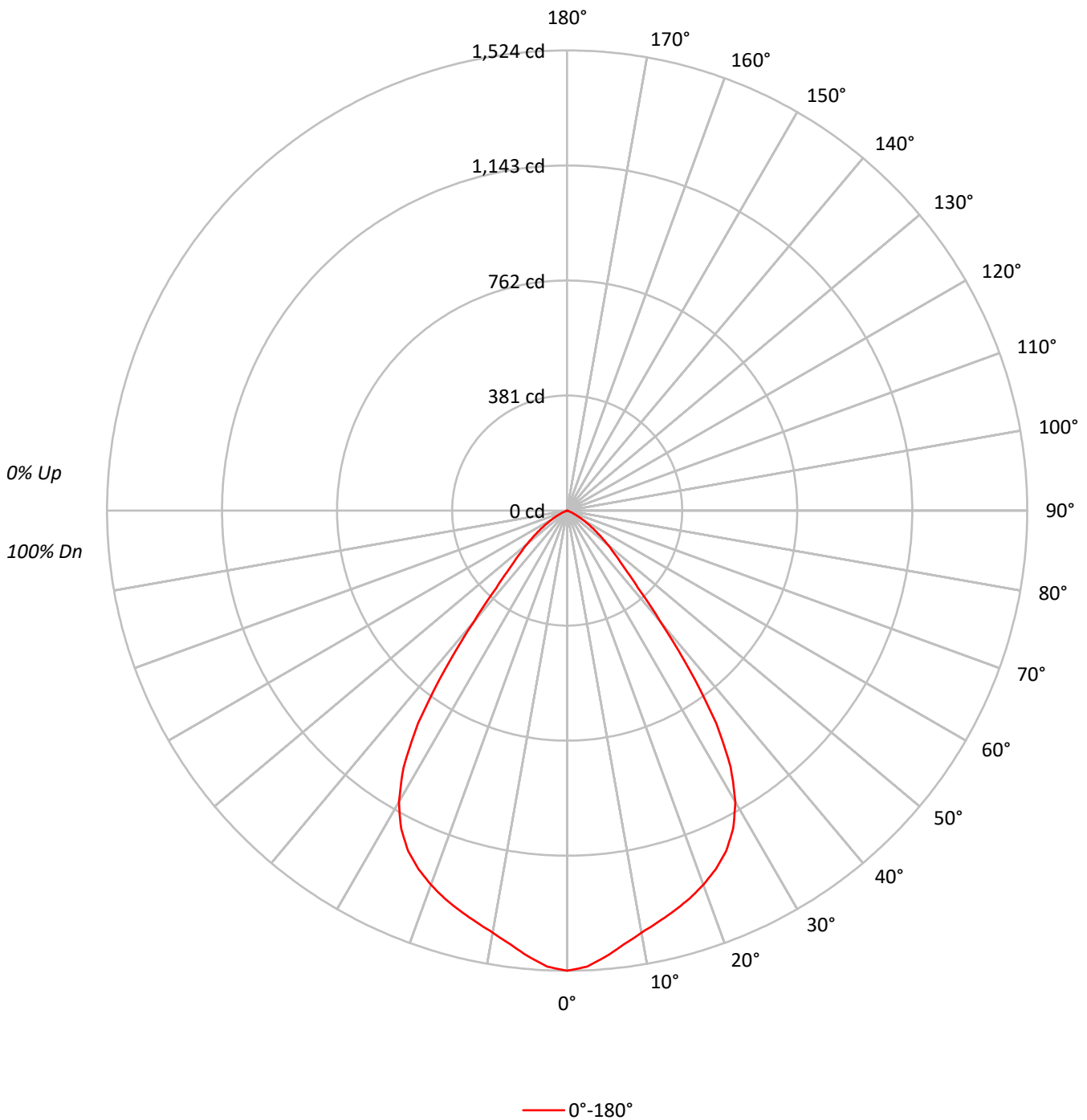
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54
8	74	63	56	52	73	63	56	52	61	56	51	60	55	51	59	55	51	49
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	46988
5°	45877
10°	44441
15°	43797
20°	43280
25°	42353
30°	39669
35°	32393
40°	19338
45°	11613
50°	8371
55°	5699
60°	3571
65°	1751
70°	442
75°	167
80°	124
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.4	7.1
10°-20°	387.2	19.8
20°-30°	568.6	29.1
30°-40°	515.4	26.3
40°-50°	220.6	11.3
50°-60°	97.6	5.0
60°-70°	26.0	1.3
70°-80°	2.0	0.1
80°-90°	0.1	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°	1095.2	56.0
0°-40°	1610.6	82.3
0°-60°	1928.9	98.6
0°-90°	1957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1524	
5°	1482	139
15°	1372	387
25°	1245	569
35°	860	515
45°	266	221
55°	106	98
65°	24	26
75°	1	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1523.8
2.5°	1511.8
5°	1482.1
7.5°	1448.2
10°	1419.3
12.5°	1395.2
15°	1371.9
17.5°	1347.2
20°	1318.9
22.5°	1285.7
25°	1244.8
27.5°	1189.7
30°	1114.1
32.5°	1008.1
35°	860.5
37.5°	666.9
40°	480.4
42.5°	346.9
45°	266.3
47.5°	214.8
50°	174.5
52.5°	138.5
55°	106.0
57.5°	79.1
60°	57.9
62.5°	40.3
65°	24.0
67.5°	10.6
70°	4.9
72.5°	2.8
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)