

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: P245786

Luminaire Tested: **LD8B20D010 ER8B20935 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B20D010 ER8B20935 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1848.0 lumens  
Efficiency: N/A  
Efficacy: 86.8 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

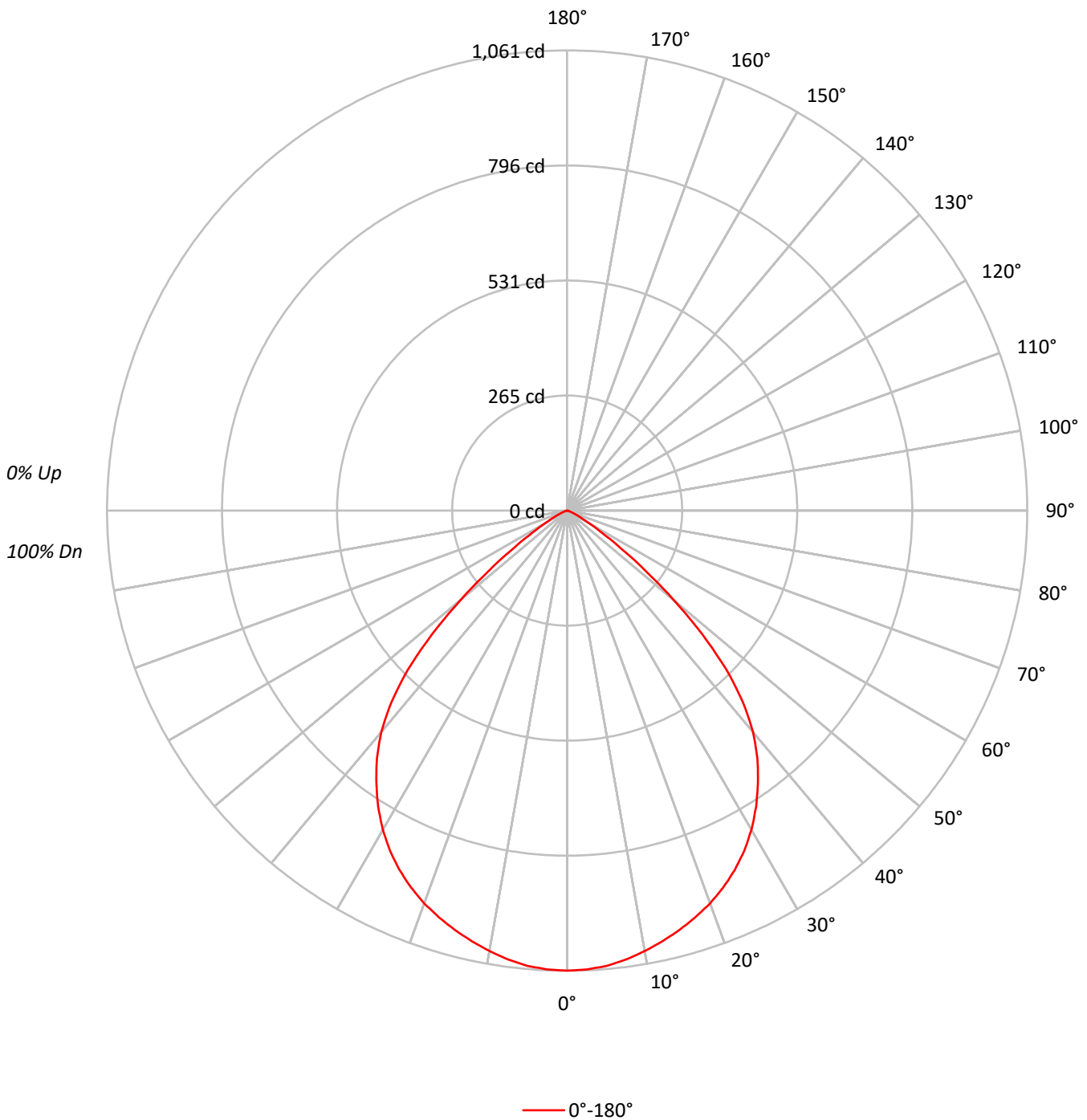
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

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

	0°
0°	32708
5°	32610
10°	32289
15°	31956
20°	31624
25°	31105
30°	30255
35°	28877
40°	26849
45°	22668
50°	15390
55°	8043
60°	3608
65°	1758
70°	703
75°	429
80°	320
85°	212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	5.4
10°-20°	282.4	15.3
20°-30°	420.3	22.7
30°-40°	477.8	25.9
40°-50°	390.7	21.1
50°-60°	145.6	7.9
60°-70°	26.6	1.4
70°-80°	4.1	0.2
80°-90°	0.6	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°	802.5	43.4
0°-40°	1280.3	69.3
0°-60°	1816.7	98.3
0°-90°	1848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1848.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1061	
5°	1054	100
15°	1001	282
25°	914	420
35°	767	478
45°	520	391
55°	150	146
65°	24	27
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1060.7
2.5°	1058.9
5°	1053.5
7.5°	1043.9
10°	1031.2
12.5°	1016.7
15°	1001.0
17.5°	983.0
20°	963.7
22.5°	940.7
25°	914.2
27.5°	884.1
30°	849.7
32.5°	810.5
35°	767.1
37.5°	720.6
40°	667.0
42.5°	600.6
45°	519.8
47.5°	422.7
50°	320.8
52.5°	226.1
55°	149.6
57.5°	94.1
60°	58.5
62.5°	37.4
65°	24.1
67.5°	13.9
70°	7.8
72.5°	4.8
75°	3.6
77.5°	2.4
80°	1.8
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)