

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: P245760

Luminaire Tested: **LD8B10D010 ER8B10840 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245760  
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: LD8B10D010 ER8B10840 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1119.1 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

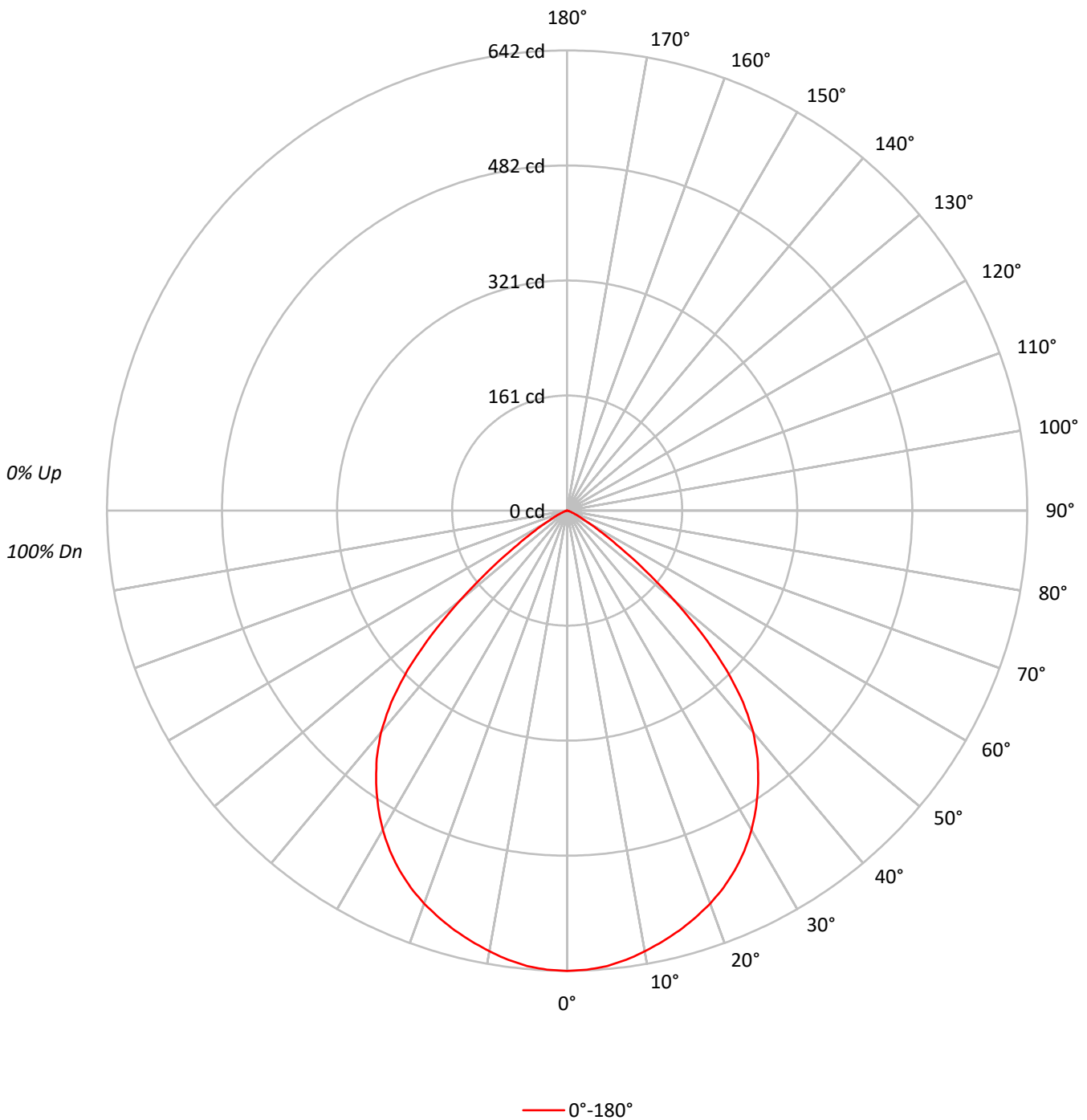
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	19806
5°	19746
10°	19551
15°	19352
20°	19148
25°	18836
30°	18320
35°	17486
40°	16259
45°	13728
50°	9321
55°	4871
60°	2183
65°	1065
70°	424
75°	262
80°	195
85°	142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.5	5.4
10°-20°	171.0	15.3
20°-30°	254.5	22.7
30°-40°	289.3	25.9
40°-50°	236.6	21.1
50°-60°	88.2	7.9
60°-70°	16.1	1.4
70°-80°	2.5	0.2
80°-90°	0.4	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°	485.9	43.4
0°-40°	775.3	69.3
0°-60°	1100.1	98.3
0°-90°	1119.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	642	
5°	638	60
15°	606	171
25°	554	255
35°	464	289
45°	315	237
55°	91	88
65°	15	16
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	642.3
2.5°	641.2
5°	637.9
7.5°	632.1
10°	624.4
12.5°	615.6
15°	606.2
17.5°	595.2
20°	583.5
22.5°	569.6
25°	553.6
27.5°	535.3
30°	514.5
32.5°	490.8
35°	464.5
37.5°	436.4
40°	403.9
42.5°	363.7
45°	314.8
47.5°	256.0
50°	194.3
52.5°	136.9
55°	90.6
57.5°	57.0
60°	35.4
62.5°	22.6
65°	14.6
67.5°	8.4
70°	4.7
72.5°	2.9
75°	2.2
77.5°	1.5
80°	1.1
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)