

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: P245797

Luminaire Tested: **LD8B15D010 ER8B15950 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245797  
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: LD8B15D010 ER8B15950 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1407.1 lumens  
Efficiency: N/A  
Efficacy: 97.7 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

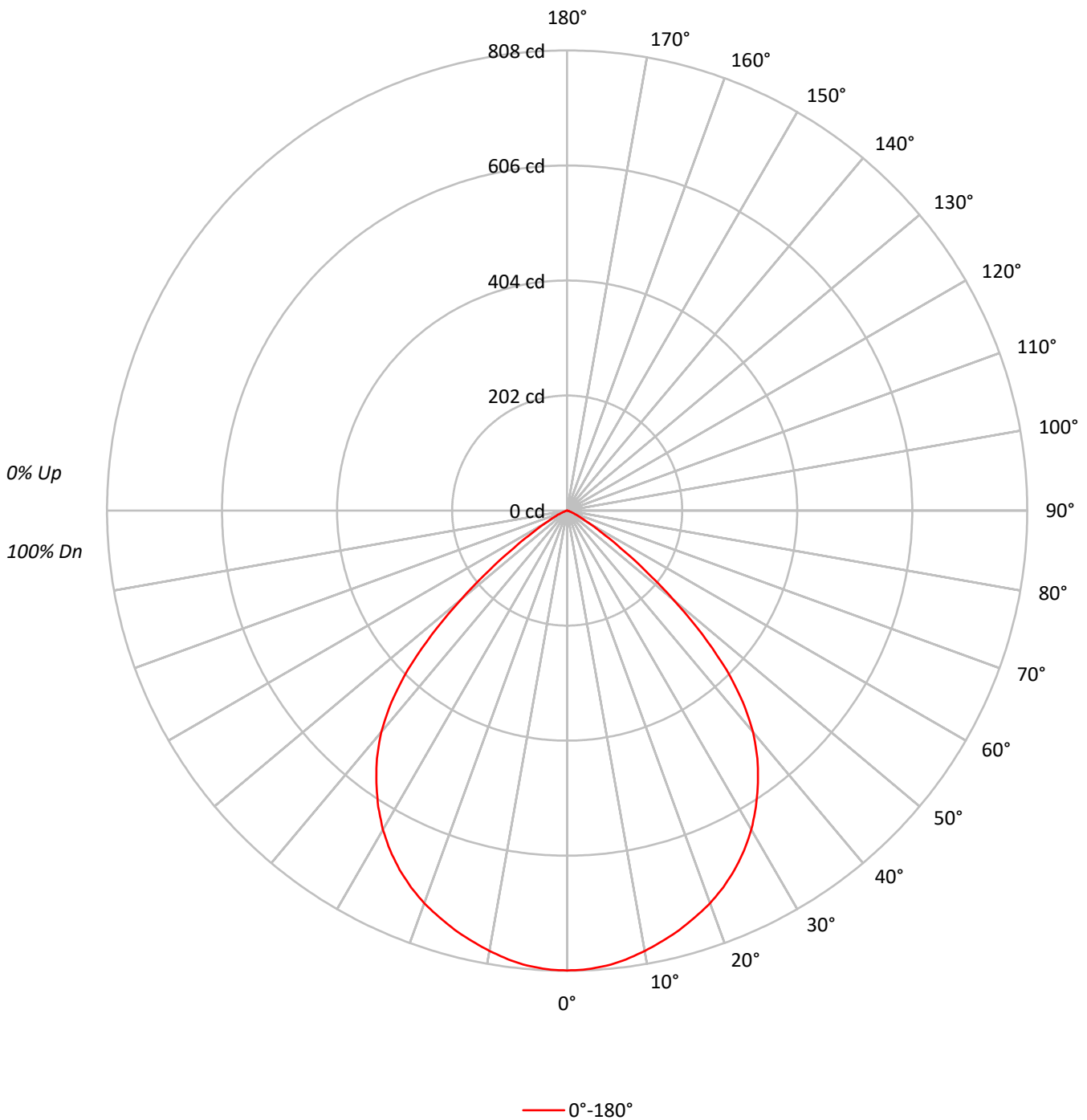
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	68	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°	24903
5°	24828
10°	24583
15°	24333
20°	24077
25°	23681
30°	23034
35°	21984
40°	20441
45°	17260
50°	11720
55°	6123
60°	2744
65°	1343
70°	541
75°	334
80°	249
85°	177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	5.4
10°-20°	215.0	15.3
20°-30°	320.0	22.7
30°-40°	363.8	25.9
40°-50°	297.5	21.1
50°-60°	110.9	7.9
60°-70°	20.3	1.4
70°-80°	3.2	0.2
80°-90°	0.5	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°	611.0	43.4
0°-40°	974.8	69.3
0°-60°	1383.2	98.3
0°-90°	1407.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	808	
5°	802	76
15°	762	215
25°	696	320
35°	584	364
45°	396	297
55°	114	111
65°	18	20
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	807.6
2.5°	806.2
5°	802.1
7.5°	794.8
10°	785.1
12.5°	774.1
15°	762.2
17.5°	748.4
20°	733.7
22.5°	716.2
25°	696.0
27.5°	673.1
30°	646.9
32.5°	617.1
35°	584.0
37.5°	548.7
40°	507.8
42.5°	457.3
45°	395.8
47.5°	321.9
50°	244.3
52.5°	172.2
55°	113.9
57.5°	71.6
60°	44.5
62.5°	28.5
65°	18.4
67.5°	10.6
70°	6.0
72.5°	3.7
75°	2.8
77.5°	1.8
80°	1.4
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)