

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: P244496

Luminaire Tested: **LD8B20D010 ER8B20940 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B20D010 ER8B20940 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2117.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

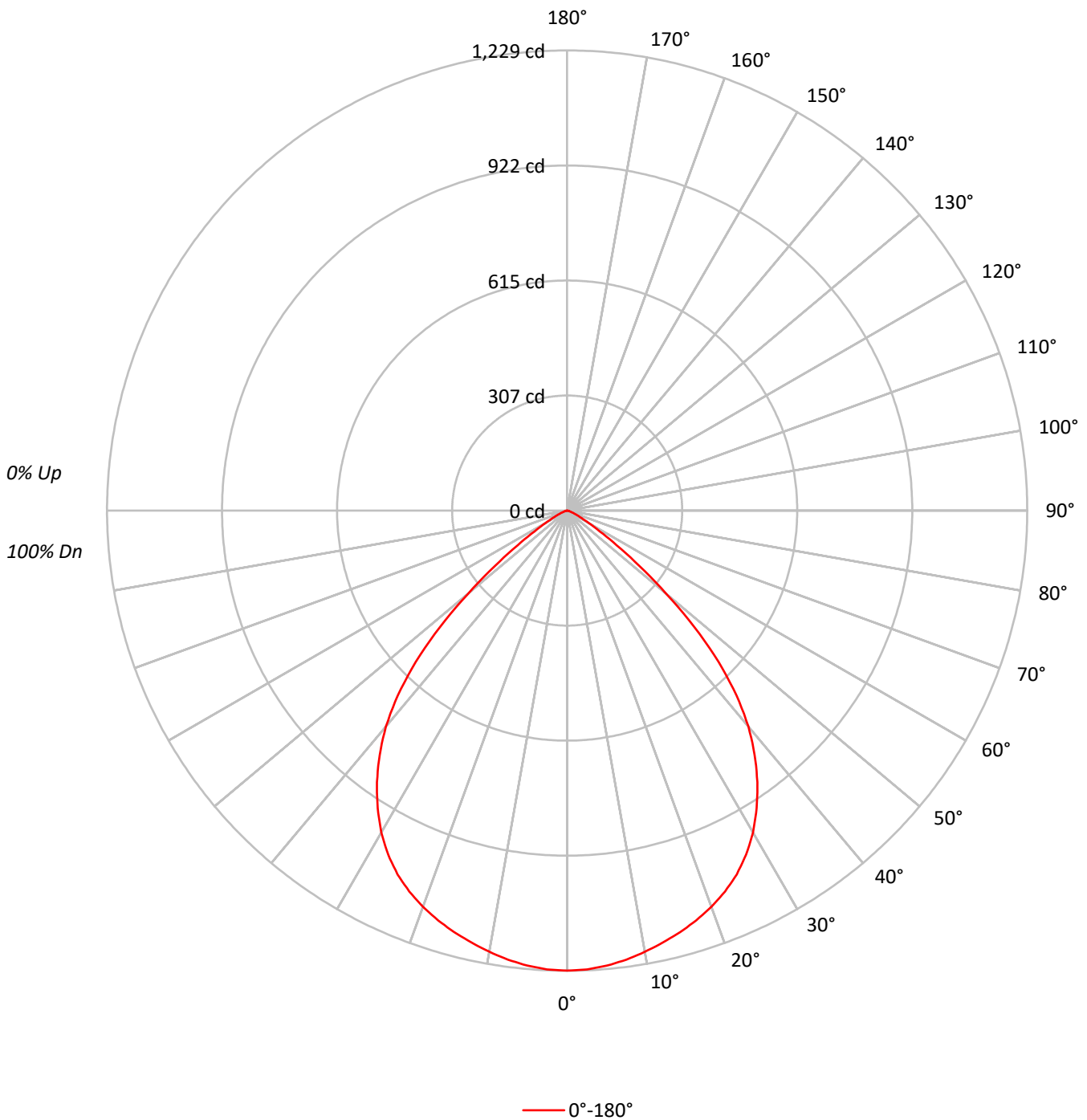
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37885
5°	37758
10°	37471
15°	37208
20°	36957
25°	36470
30°	35343
35°	33345
40°	30307
45°	24936
50°	16623
55°	8661
60°	4083
65°	2138
70°	1073
75°	739
80°	550
85°	425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	5.5
10°-20°	329.0	15.5
20°-30°	492.1	23.2
30°-40°	550.4	26.0
40°-50°	431.8	20.4
50°-60°	157.6	7.4
60°-70°	32.1	1.5
70°-80°	6.9	0.3
80°-90°	1.4	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°	936.8	44.3
0°-40°	1487.2	70.3
0°-60°	2076.5	98.1
0°-90°	2117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1229	
5°	1220	116
15°	1166	329
25°	1072	492
35°	886	550
45°	572	432
55°	161	158
65°	29	32
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1228.6
2.5°	1226.7
5°	1219.8
7.5°	1209.8
10°	1196.7
12.5°	1181.7
15°	1165.5
17.5°	1147.4
20°	1126.2
22.5°	1101.2
25°	1071.9
27.5°	1035.7
30°	992.6
32.5°	942.0
35°	885.8
37.5°	822.8
40°	752.9
42.5°	669.8
45°	571.8
47.5°	461.3
50°	346.5
52.5°	242.8
55°	161.1
57.5°	103.0
60°	66.2
62.5°	43.7
65°	29.3
67.5°	18.7
70°	11.9
72.5°	8.1
75°	6.2
77.5°	4.4
80°	3.1
82.5°	1.9
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)