

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: P245794

Luminaire Tested: **LSR8B40D010 EC8B40940 8LBSOGPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245794
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: LSR8B40D010 EC8B40940 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3882.0 lumens
Efficiency: N/A
Efficacy: 94.9 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

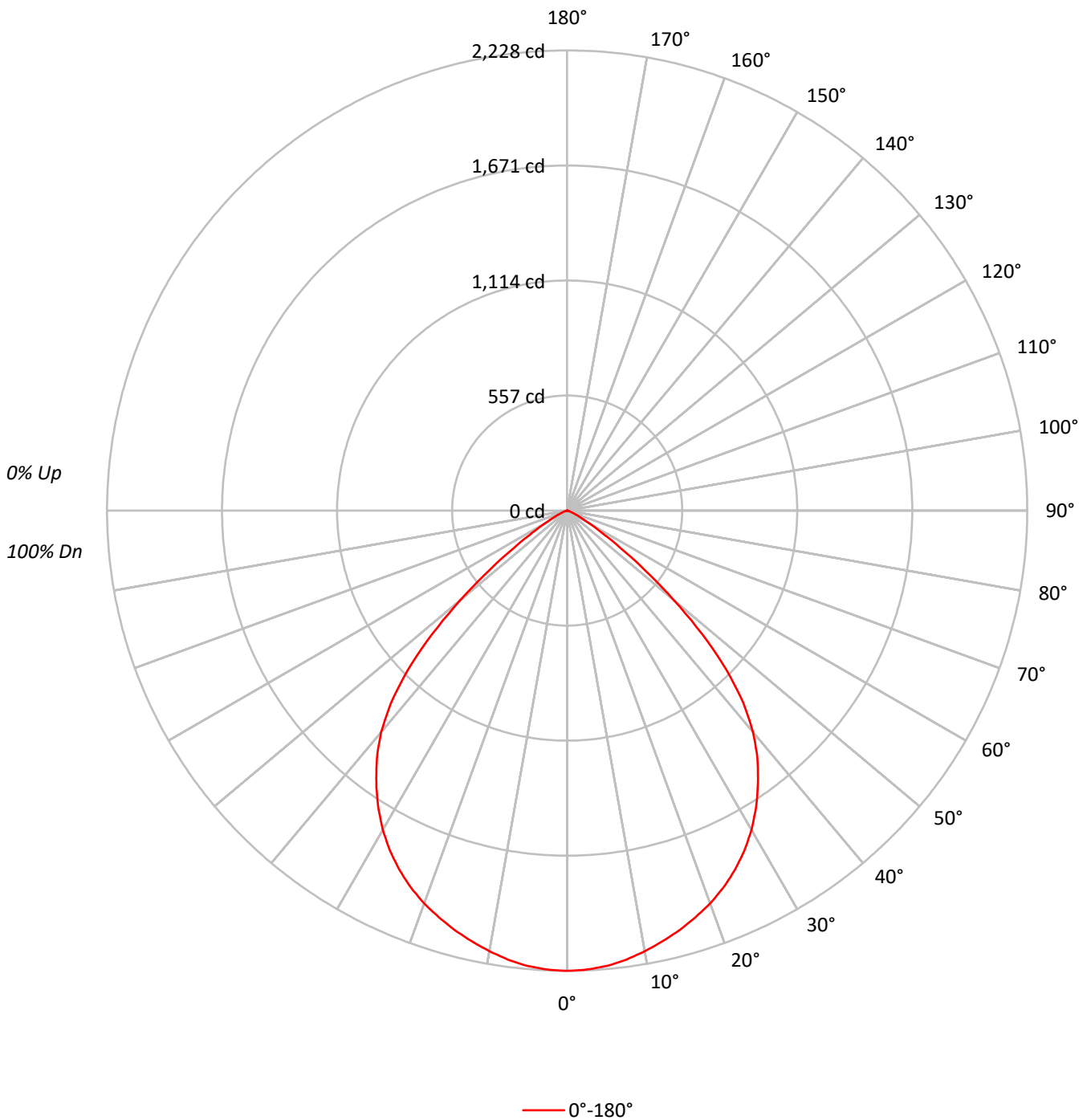
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68713
5°	68505
10°	67828
15°	67133
20°	66428
25°	65340
30°	63554
35°	60656
40°	56400
45°	47621
50°	32329
55°	16892
60°	7580
65°	3699
70°	1488
75°	905
80°	675
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	5.4
10°-20°	593.1	15.3
20°-30°	883.0	22.7
30°-40°	1003.7	25.9
40°-50°	820.7	21.1
50°-60°	305.9	7.9
60°-70°	55.9	1.4
70°-80°	8.7	0.2
80°-90°	1.2	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°	1685.8	43.4
0°-40°	2689.5	69.3
0°-60°	3816.2	98.3
0°-90°	3882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3882.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2228	
5°	2213	210
15°	2103	593
25°	1920	883
35°	1611	1004
45°	1092	821
55°	314	306
65°	51	56
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2228.3
2.5°	2224.5
5°	2213.1
7.5°	2192.8
10°	2166.2
12.5°	2135.8
15°	2102.9
17.5°	2064.8
20°	2024.3
22.5°	1976.2
25°	1920.4
27.5°	1857.1
30°	1784.9
32.5°	1702.5
35°	1611.3
37.5°	1513.8
40°	1401.1
42.5°	1261.7
45°	1092.0
47.5°	888.0
50°	673.9
52.5°	475.0
55°	314.2
57.5°	197.6
60°	122.9
62.5°	78.5
65°	50.7
67.5°	29.1
70°	16.5
72.5°	10.1
75°	7.6
77.5°	5.1
80°	3.8
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)